



## Clinical trial results:

### A Randomized, Double-blind, Dose-ranging, Placebo-controlled Phase 2a Evaluation of The Safety, Tolerability And Pharmacokinetics of PLN-74809 in Participants With Idiopathic Pulmonary Fibrosis (IPF) (INTEGRIS-IPF)

#### Summary

|                          |                  |
|--------------------------|------------------|
| EudraCT number           | 2019-002709-23   |
| Trial protocol           | GB DE NL BE IT   |
| Global end of trial date | 15 February 2023 |

#### Results information

|                                |              |
|--------------------------------|--------------|
| Result version number          | v1 (current) |
| This version publication date  | 08 May 2024  |
| First version publication date | 08 May 2024  |

#### Trial information

##### Trial identification

|                       |                   |
|-----------------------|-------------------|
| Sponsor protocol code | PLN-74809-IPF-202 |
|-----------------------|-------------------|

##### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT04396756 |
| WHO universal trial number (UTN)   | -           |

Notes:

#### Sponsors

|                              |  |
|------------------------------|--|
| Sponsor organisation name    | Pliant Therapeutics Inc.   |
| Sponsor organisation address | 331 Oyster Point Boulevard, South San Francisco, United States, CA 94080                   |
| Public contact               | Gregory P. Cosgrove, MD, Pliant Therapeutics Inc., +1 650-481-6770, GCosgrove@pliantrx.com |
| Scientific contact           | Gregory P. Cosgrove, MD, Pliant Therapeutics Inc., +1 650-481-6770, GCosgrove@pliantrx.com |

Notes:

#### Paediatric regulatory details

|  |    |
|--|----|
| Is trial part of an agreed paediatric investigation plan (PIP)       | No |
| Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial? | No |
| Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial? | No |

Notes:

## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 15 February 2023 |
| Is this the analysis of the primary completion data? | No               |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 15 February 2023 |
| Was the trial ended prematurely?                     | No               |

Notes:

## General information about the trial

Main objective of the trial:

The main objective of the trial is the assessment of the safety and tolerability of PLN-74809.

Protection of trial subjects:

The Investigator documented approval from the Institutional Review Board (IRB), Independent Ethics Committee (IEC), or Research Ethics Board (REB), as appropriate, for the study protocol, any amendments, informed consent forms (ICFs) and any revised ICFs, participant recruitment documents (eg, advertisements, video and/or video script), and any other study documentation provided to participants.

Background therapy:

Participants who were receiving treatment for IPF with nintedanib or pirfenidone were allowed, provided these drugs had been given at a stable dose for at least 3 months before the Screening Visit and were expected to remain unchanged during the study.

Evidence for comparator: -

|   |                  |
|---|------------------|
| Actual start date of recruitment                          | 21 February 2020 |
| Long term follow-up planned                               | No               |
| Independent data monitoring committee (IDMC) involvement? | Yes              |

Notes:

## Population of trial subjects

### Subjects enrolled per country

|                                      |                   |
|--------------------------------------|-------------------|
| Country: Number of subjects enrolled | Netherlands: 10   |
| Country: Number of subjects enrolled | Belgium: 2        |
| Country: Number of subjects enrolled | Italy: 2          |
| Country: Number of subjects enrolled | United States: 89 |
| Country: Number of subjects enrolled | Canada: 5         |
| Country: Number of subjects enrolled | Australia: 8      |
| Country: Number of subjects enrolled | New Zealand: 4    |
| Worldwide total number of subjects   | 120               |
| EEA total number of subjects         | 14                |

Notes:

### Subjects enrolled per age group

|   |   |
|---|---|
| In utero                                  | 0 |
| Preterm newborn - gestational age < 37 wk | 0 |

|  |     |
|--|-----|
| Newborns (0-27 days)                     | 0   |
| Infants and toddlers (28 days-23 months) | 0   |
| Children (2-11 years)                    | 0   |
| Adolescents (12-17 years)                | 0   |
| Adults (18-64 years)                     | 16  |
| From 65 to 84 years                      | 102 |
| 85 years and over                        | 2   |

## Subject disposition

### Recruitment

Recruitment details:

Participants were screened at 37 sites in 7 countries (Australia, Belgium, Canada, Italy, the Netherlands, New Zealand, and the United States) between Feb 2020 and Feb 2023. This study was divided into 4 parts, each part comprised a screening period of up to 28 days, a double-blind treatment period, and a 2-week post-treatment follow-up period.

### Pre-assignment

Screening details:

Out of 168 participants who were screened, 10 participants were re-screened, 49 participants failed screening and 119 participants were enrolled and assigned to one of four treatment arms. One participant received both placebo and PLN-74809 320 mg due to incorrect study drug dispensation.

### Period 1

|                              |                                |
|------------------------------|--------------------------------|
| Period 1 title               | Overall Study (overall period) |
| Is this the baseline period? | Yes                            |
| Allocation method            | Randomised - controlled        |
| Blinding used                | Double blind                   |
| Roles blinded                | Subject, Investigator          |

### Arms

|                              |                         |
|------------------------------|-------------------------|
| Are arms mutually exclusive? | Yes                     |
| <b>Arm title</b>             | Part A: PLN-74809 40 mg |

Arm description:

PLN-74809 (Part A): Consists of an up to 28-day screening period, a 4-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 100ml water after fasting.

|  |              |
|--|--------------|
| Arm type                               | Experimental |
| Investigational medicinal product name | PLN-74809    |
| Investigational medicinal product code |              |
| Other name                             | Bexotegrast  |
| Pharmaceutical forms                   | Oral liquid  |
| Routes of administration               | Oral use     |

Dosage and administration details:

PLN-74809 administered orally.

|                  |                         |
|------------------|-------------------------|
| <b>Arm title</b> | Part B: PLN-74809 40 mg |
|------------------|-------------------------|

Arm description:

PLN-74809 (Part B): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 240ml water after fasting.

|  |              |
|--|--------------|
| Arm type                               | Experimental |
| Investigational medicinal product name | PLN-74809    |
| Investigational medicinal product code |              |
| Other name                             | Bexotegrast  |
| Pharmaceutical forms                   | Tablet       |
| Routes of administration               | Oral use     |

Dosage and administration details:

PLN-74809 tablet administered orally.

|                  |                         |
|------------------|-------------------------|
| <b>Arm title</b> | Part C: PLN-74809 80 mg |
|------------------|-------------------------|

Arm description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 80mg or a matching placebo with 240ml water after fasting.

|  |              |
|--|--------------|
| Arm type                               | Experimental |
| Investigational medicinal product name | PLN-74809    |
| Investigational medicinal product code |              |
| Other name                             | Bexotegast   |
| Pharmaceutical forms                   | Tablet       |
| Routes of administration               | Oral use     |

Dosage and administration details:

PLN-74809 tablet(s) administered orally.

|                  |                          |
|------------------|--------------------------|
| <b>Arm title</b> | Part C: PLN-74809 160 mg |
|------------------|--------------------------|

Arm description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 160mg or a matching placebo with 240ml water after fasting.

|  |              |
|--|--------------|
| Arm type                               | Experimental |
| Investigational medicinal product name | PLN-74809    |
| Investigational medicinal product code |              |
| Other name                             | Bexotegast   |
| Pharmaceutical forms                   | Tablet       |
| Routes of administration               | Oral use     |

Dosage and administration details:

PLN-74809 tablets administered orally.

|                  |                          |
|------------------|--------------------------|
| <b>Arm title</b> | Part D: PLN-74809 320 mg |
|------------------|--------------------------|

Arm description:

PLN-74809 (Part D): Consists of an up to 28-day screening period, at least 24-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 320 mg or a matching placebo with 240ml water after fasting.

|  |                          |
|--|--------------------------|
| Arm type                               | Experimental             |
| Investigational medicinal product name | Part D: PLN-74809 320 mg |
| Investigational medicinal product code |                          |
| Other name                             | Bexotegast               |
| Pharmaceutical forms                   | Tablet                   |
| Routes of administration               | Oral use                 |

Dosage and administration details:

PLN-74809 tablet administered orally

|                  |         |
|------------------|---------|
| <b>Arm title</b> | Placebo |
|------------------|---------|

Arm description:

Participants took a matching placebo with water after fasting.

|  |          |
|--|----------|
| Arm type                               | Placebo  |
| Investigational medicinal product name | Placebo  |
| Investigational medicinal product code |          |
| Other name                             |          |
| Pharmaceutical forms                   | Tablet   |
| Routes of administration               | Oral use |

Dosage and administration details:

Matching placebo tablets administered orally.

| <b>Number of subjects in period 1</b> | Part A: PLN-74809<br>40 mg | Part B: PLN-74809<br>40 mg | Part C: PLN-74809<br>80 mg |
|---------------------------------------|----------------------------|----------------------------|----------------------------|
| Started                               | 1                          | 22                         | 23                         |
| Completed                             | 1                          | 21                         | 23                         |
| Not completed                         | 0                          | 1                          | 0                          |
| Adverse event, serious fatal          | -                          | -                          | -                          |
| Physician decision                    | -                          | 1                          | -                          |
| Consent withdrawn by subject          | -                          | -                          | -                          |
| Adverse event, non-fatal              | -                          | -                          | -                          |
| Not specified                         | -                          | -                          | -                          |

| <b>Number of subjects in period 1</b> | Part C: PLN-74809<br>160 mg | Part D: PLN-74809<br>320 mg | Placebo |
|---------------------------------------|-----------------------------|-----------------------------|---------|
| Started                               | 22                          | 21                          | 31      |
| Completed                             | 20                          | 15                          | 25      |
| Not completed                         | 2                           | 6                           | 6       |
| Adverse event, serious fatal          | -                           | 1                           | -       |
| Physician decision                    | -                           | -                           | -       |
| Consent withdrawn by subject          | 2                           | 3                           | 3       |
| Adverse event, non-fatal              | -                           | 2                           | 2       |
| Not specified                         | -                           | -                           | 1       |

## Baseline characteristics

### Reporting groups

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part A: PLN-74809 40 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part A): Consists of an up to 28-day screening period, a 4-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 100ml water after fasting.

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part B: PLN-74809 40 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part B): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 240ml water after fasting.

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part C: PLN-74809 80 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 80mg or a matching placebo with 240ml water after fasting.

|                       |                          |
|-----------------------|--------------------------|
| Reporting group title | Part C: PLN-74809 160 mg |
|-----------------------|--------------------------|

Reporting group description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 160mg or a matching placebo with 240ml water after fasting.

|                       |                          |
|-----------------------|--------------------------|
| Reporting group title | Part D: PLN-74809 320 mg |
|-----------------------|--------------------------|

Reporting group description:

PLN-74809 (Part D): Consists of an up to 28-day screening period, at least 24-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 320 mg or a matching placebo with 240ml water after fasting.

|                       |         |
|-----------------------|---------|
| Reporting group title | Placebo |
|-----------------------|---------|

Reporting group description:

Participants took a matching placebo with water after fasting.

| Reporting group values                             | Part A: PLN-74809 40 mg | Part B: PLN-74809 40 mg | Part C: PLN-74809 80 mg |
|--|-------------------------|-------------------------|-------------------------|
| Number of subjects                                 | 1                       | 22                      | 23                      |
| Age categorical                                    |                         |                         |                         |
| Units: Subjects                                    |                         |                         |                         |
| In utero   |                         |                         |                         |
| Preterm newborn infants (gestational age < 37 wks) |                         |                         |                         |
| Newborns (0-27 days)                               |                         |                         |                         |
| Infants and toddlers (28 days-23 months)           |                         |                         |                         |
| Children (2-11 years)                              |                         |                         |                         |
| Adolescents (12-17 years)                          |                         |                         |                         |
| Adults (18-64 years)                               |                         |                         |                         |
| From 65-84 years                                   |                         |                         |                         |
| 85 years and over                                  |                         |                         |                         |

|   |             |                |                |
|---|-------------|----------------|----------------|
| Age continuous<br>Units: years<br>arithmetic mean<br>standard deviation | 64<br>± 999 | 69.2<br>± 7.11 | 74.2<br>± 4.70 |
| Gender categorical<br>Units: Subjects                                   |             |                |                |
| Female  | 0           | 4              | 4              |
| Male  | 1           | 18             | 19             |

| Reporting group values  | Part C: PLN-74809<br>160 mg | Part D: PLN-74809<br>320 mg | Placebo        |
|---|-----------------------------|-----------------------------|----------------|
| Number of subjects  | 22                          | 21                          | 31             |
| Age categorical<br>Units: Subjects  |                             |                             |                |
| In utero<br>Preterm newborn infants<br>(gestational age < 37 wks)<br>Newborns (0-27 days)<br>Infants and toddlers (28 days-23<br>months)<br>Children (2-11 years)<br>Adolescents (12-17 years)<br>Adults (18-64 years)<br>From 65-84 years<br>85 years and over |                             |                             |                |
| Age continuous<br>Units: years<br>arithmetic mean<br>standard deviation   | 71.5<br>± 6.63              | 70.6<br>± 7.31              | 72.1<br>± 6.20 |
| Gender categorical<br>Units: Subjects   |                             |                             |                |
| Female  | 6                           | 1                           | 4              |
| Male  | 16                          | 20                          | 27             |

| Reporting group values  | Total                                     |  |  |
|---|---|--|--|
| Number of subjects  | 120                                       |  |  |
| Age categorical<br>Units: Subjects  |   |  |  |
| In utero<br>Preterm newborn infants<br>(gestational age < 37 wks)<br>Newborns (0-27 days)<br>Infants and toddlers (28 days-23<br>months)<br>Children (2-11 years)<br>Adolescents (12-17 years)<br>Adults (18-64 years)<br>From 65-84 years<br>85 years and over | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |  |  |
| Age continuous<br>Units: years<br>arithmetic mean<br>standard deviation   | -   |  |  |



|                    |     |  |  |
|--------------------|-----|--|--|
| Gender categorical |     |  |  |
| Units: Subjects    |     |  |  |
| Female             | 19  |  |  |
| Male               | 101 |  |  |

## End points

### End points reporting groups

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part A: PLN-74809 40 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part A): Consists of an up to 28-day screening period, a 4-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 100ml water after fasting.

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part B: PLN-74809 40 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part B): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 240ml water after fasting.

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part C: PLN-74809 80 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 80mg or a matching placebo with 240ml water after fasting.

|                       |                          |
|-----------------------|--------------------------|
| Reporting group title | Part C: PLN-74809 160 mg |
|-----------------------|--------------------------|

Reporting group description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 160mg or a matching placebo with 240ml water after fasting.

|                       |                          |
|-----------------------|--------------------------|
| Reporting group title | Part D: PLN-74809 320 mg |
|-----------------------|--------------------------|

Reporting group description:

PLN-74809 (Part D): Consists of an up to 28-day screening period, at least 24-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 320 mg or a matching placebo with 240ml water after fasting.

|                       |         |
|-----------------------|---------|
| Reporting group title | Placebo |
|-----------------------|---------|

Reporting group description:

Participants took a matching placebo with water after fasting.

### Primary: Parts A,B,C, and D - Number of Participants With Treatment-emergent Adverse Events (TEAEs)

|                 |   |
|-----------------|---|
| End point title | Parts A,B,C, and D - Number of Participants With Treatment-emergent Adverse Events (TEAEs) <sup>[1]</sup> |
|-----------------|---|

End point description:

An AE was any untoward medical occurrence in a clinical study participant administered a study drug that does not necessarily have a causal relationship with the treatment. An AE can therefore be any unfavorable and/or unintended sign, symptom, or disease temporally associated with the use of a study drug, whether or not the AE is considered related to the study drug. TEAEs were defined as any AEs with an onset date on or after the study drug start date and no later than 14 days after permanent discontinuation of study drug.

Safety Population: All participants who took at least 1 dose of study drug.

Values of 9999 indicate that data are not available for the specified time point.

|                |         |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

Up to 4 weeks for Part A, 12 weeks for Part B-C, and up to week 12 and 48 for Part D

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: No additional statistical analyses were pre-specified for this endpoint.

| End point values              | Part A: PLN-74809 40 mg | Part B: PLN-74809 40 mg | Part C: PLN-74809 80 mg | Part C: PLN-74809 160 mg |
|-------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Subject group type            | Reporting group         | Reporting group         | Reporting group         | Reporting group          |
| Number of subjects analysed   | 1                       | 22                      | 23                      | 22                       |
| Units: Number of Participants |                         |                         |                         |                          |
| Up to 4 weeks                 | 1                       | 9999                    | 9999                    | 9999                     |
| Up to 12 weeks                | 9999                    | 16                      | 15                      | 14                       |
| Up to 48 weeks                | 9999                    | 9999                    | 9999                    | 9999                     |

| End point values              | Part D: PLN-74809 320 mg | Placebo           |  |  |
|-------------------------------|--------------------------|-------------------|--|--|
| Subject group type            | Reporting group          | Reporting group   |  |  |
| Number of subjects analysed   | 21                       | 31 <sup>[2]</sup> |  |  |
| Units: Number of Participants |                          |                   |  |  |
| Up to 4 weeks                 | 9999                     | 9999              |  |  |
| Up to 12 weeks                | 17                       | 21                |  |  |
| Up to 48 weeks                | 20                       | 7                 |  |  |

Notes:

[2] - N=31 for Placebo (Part B, C, D) "Up to 12 week" data

N=8 for Placebo (Part D) "Up to 48 week" data

## Statistical analyses

No statistical analyses for this end point

## Primary: Parts A,B,C, and D - Number of Participants With Serious TEAEs

|                 |   |
|-----------------|---|
| End point title | Parts A,B,C, and D - Number of Participants With Serious TEAEs <sup>[3]</sup> |
|-----------------|---|

End point description:

A serious adverse event (SAE) was defined as an event that, at any dose, results in the following: death, a life-threatening situation; in-patient hospitalization or prolongation of existing hospitalization, persistent or significant disability/incapacity, a congenital anomaly/birth defect or a medically important event or reaction.

Safety Population: All participants who took at least 1 dose of study drug.

Value of 9999 indicate that data are not available for the specified time point.

|                |         |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

Up to 4 weeks for Part A, 12 weeks for Part B-C, and up to week 12 and 48 for Part D

Notes:

[3] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: No additional statistical analyses were pre-specified for this endpoint.

| End point values              | Part A: PLN-74809 40 mg | Part B: PLN-74809 40 mg | Part C: PLN-74809 80 mg | Part C: PLN-74809 160 mg |
|-------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Subject group type            | Reporting group         | Reporting group         | Reporting group         | Reporting group          |
| Number of subjects analysed   | 1                       | 22                      | 23                      | 22                       |
| Units: Number of Participants |                         |                         |                         |                          |
| Up to 4 weeks                 | 0                       | 9999                    | 9999                    | 9999                     |
| Up to 12 weeks                | 9999                    | 1                       | 0                       | 2                        |
| Up to 48 weeks                | 9999                    | 9999                    | 9999                    | 9999                     |

| End point values              | Part D: PLN-74809 320 mg | Placebo           |  |  |
|-------------------------------|--------------------------|-------------------|--|--|
| Subject group type            | Reporting group          | Reporting group   |  |  |
| Number of subjects analysed   | 21                       | 31 <sup>[4]</sup> |  |  |
| Units: Number of Participants |                          |                   |  |  |
| Up to 4 weeks                 | 9999                     | 9999              |  |  |
| Up to 12 weeks                | 1                        | 3                 |  |  |
| Up to 48 weeks                | 2                        | 1                 |  |  |

Notes:

[4] - N=31 for Placebo (Part B, C, D) "Up to 12 week" data

N=8 for Placebo (Part D) "Up to 48 week" data

## Statistical analyses

No statistical analyses for this end point

## Secondary: Parts A,B, C, and D - PLN-74809 Total Plasma Concentrations

|                 |  |
|-----------------|--|
| End point title | Parts A,B, C, and D - PLN-74809 Total Plasma Concentrations <sup>[5]</sup> |
|-----------------|--|

End point description:

PK Analysis Population: All randomized participants who had sufficient PLN-74809 concentration data for PK calculation were included in the PK analyses.

Values of "9999.99" indicate mean and standard deviation could not be calculated.

|                |           |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Part A: week 4, 1-hour post-dose; Part B-D: week 12, 2 hours post-dose; Part D: week 24, 2 hours post-dose

Notes:

[5] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: NA

| End point values                     | Part A: PLN-74809 40 mg | Part B: PLN-74809 40 mg | Part C: PLN-74809 80 mg | Part C: PLN-74809 160 mg |
|--------------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Subject group type                   | Reporting group         | Reporting group         | Reporting group         | Reporting group          |
| Number of subjects analysed          | 1                       | 20                      | 23                      | 21                       |
| Units: ng/mL                         |                         |                         |                         |                          |
| arithmetic mean (standard deviation) |                         |                         |                         |                          |
| Week 4, 1 hour post-dose             | 829 (± 9999.99)         | 9999.99 (± 9999.99)     | 9999.99 (± 9999.99)     | 9999.99 (± 9999.99)      |
| Week 12, 2-hours post-dose           | 9999.99 (± 9999.99)     | 921.45 (± 549.103)      | 1731.70 (± 875.776)     | 2733.71 (± 1038.402)     |
| Week 24, 2 hours post-dose           | 9999.99 (± 9999.99)     | 9999.99 (± 9999.99)     | 9999.99 (± 9999.99)     | 9999.99 (± 9999.99)      |

|                                      |                          |  |  |  |
|--------------------------------------|--------------------------|--|--|--|
| <b>End point values</b>              | Part D: PLN-74809 320 mg |  |  |  |
| Subject group type                   | Reporting group          |  |  |  |
| Number of subjects analysed          | 18 <sup>[6]</sup>        |  |  |  |
| Units: ng/mL                         |                          |  |  |  |
| arithmetic mean (standard deviation) |                          |  |  |  |
| Week 4, 1 hour post-dose             | 9999.99 (± 9999.99)      |  |  |  |
| Week 12, 2-hours post-dose           | 3742.78 (± 1383.345)     |  |  |  |
| Week 24, 2 hours post-dose           | 4120.63 (± 1866.606)     |  |  |  |

Notes:

[6] - N=16 for Part D (320 mg) - "Week 24, 2 hours post-dose"

### Statistical analyses

No statistical analyses for this end point

## Adverse events

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### Adverse events information

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Timeframe for reporting adverse events:

ACM: Randomization up to 190.1 days +14 days. AEs: First dose date up to 29 days +14 (Part A 40 mg), 83.6 days +14 (Part B 40 mg), 86.0 days +14 (Part C 80 mg), 82.7 days +14 (Part C 160 mg), 190.1 days +14 (Part D 320 mg), and 107.6 days +14 (Placebo).

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Adverse event reporting additional description:

Safety population included all participants who took at least 1 dose of study drug.

|                 |            |
|-----------------|------------|
| Assessment type | Systematic |
|-----------------|------------|

### Dictionary used

|                 |        |
|-----------------|--------|
| Dictionary name | MedDRA |
|-----------------|--------|

|                    |      |
|--------------------|------|
| Dictionary version | 24.0 |
|--------------------|------|

### Reporting groups

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part A: PLN-74809 40 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part A): Consists of an up to 28-day screening period, a 4-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 100ml water after fasting.

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part B: PLN-74809 40 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part B): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 40mg or a matching placebo with 240ml water after fasting.

|                       |                         |
|-----------------------|-------------------------|
| Reporting group title | Part C: PLN-74809 80 mg |
|-----------------------|-------------------------|

Reporting group description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 80mg or a matching placebo with 240ml water after fasting.

|                       |                          |
|-----------------------|--------------------------|
| Reporting group title | Part C: PLN-74809 160 mg |
|-----------------------|--------------------------|

Reporting group description:

PLN-74809 (Part C): Consists of an up to 28-day screening period, a 12-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 160mg or a matching placebo with 240ml water after fasting.

|                       |                          |
|-----------------------|--------------------------|
| Reporting group title | Part D: PLN-74809 320 mg |
|-----------------------|--------------------------|

Reporting group description:

PLN-74809 (Part D): Consists of an up to 28-day screening period, at least 24-week treatment period, and a 2-week (+/- 3 days) post-treatment follow-up period.

Participants took either PLN-74809 320 mg or a matching placebo with 240ml water after fasting.

|                       |         |
|-----------------------|---------|
| Reporting group title | Placebo |
|-----------------------|---------|

Reporting group description:

Participants took a matching placebo with water after fasting.

---

| <b>Serious adverse events</b>                     | Part A: PLN-74809<br>40 mg | Part B: PLN-74809<br>40 mg | Part C: PLN-74809<br>80 mg |
|---|----------------------------|----------------------------|----------------------------|
| Total subjects affected by serious adverse events |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 1 / 22 (4.55%)             | 0 / 23 (0.00%)             |
| number of deaths (all causes)                     | 0                          | 0                          | 0                          |
| number of deaths resulting from adverse events    | 0                          | 0                          | 0                          |
| Congenital, familial and genetic disorders        |                            |                            |                            |
| Haemorrhagic arteriovenous malformation           |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences causally related to treatment / all   | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| deaths causally related to treatment / all        | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| Cardiac disorders                                 |                            |                            |                            |
| Acute left ventricular failure                    |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences causally related to treatment / all   | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| deaths causally related to treatment / all        | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| Atrial flutter                                    |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences causally related to treatment / all   | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| deaths causally related to treatment / all        | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| Blood and lymphatic system disorders              |                            |                            |                            |
| Iron deficiency anaemia                           |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences causally related to treatment / all   | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| deaths causally related to treatment / all        | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| Gastrointestinal disorders                        |                            |                            |                            |
| Gastric ulcer haemorrhage                         |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences causally related to treatment / all   | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| deaths causally related to treatment / all        | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| Gastritis   |                            |                            |                            |
| subjects affected / exposed                       | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences causally related to treatment / all   | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| deaths causally related to treatment / all        | 0 / 0                      | 0 / 0                      | 0 / 0                      |
| Ileus   |                            |                            |                            |

|  |               |                |                |
|--|---------------|----------------|----------------|
| subjects affected / exposed                      | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Respiratory, thoracic and mediastinal disorders  |               |                |                |
| Acute respiratory failure                        |               |                |                |
| subjects affected / exposed                      | 0 / 1 (0.00%) | 1 / 22 (4.55%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 1          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Dyspnoea   |               |                |                |
| subjects affected / exposed                      | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Respiratory failure                              |               |                |                |
| subjects affected / exposed                      | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Idiopathic pulmonary fibrosis/Pulmonary fibrosis |               |                |                |
| subjects affected / exposed                      | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Renal and urinary disorders                      |               |                |                |
| Acute kidney injury                              |               |                |                |
| subjects affected / exposed                      | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Bladder dilatation                               |               |                |                |
| subjects affected / exposed                      | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all  | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all       | 0 / 0         | 0 / 0          | 0 / 0          |
| Infections and infestations                      |               |                |                |
| Pneumonia  |               |                |                |



|   |               |                |                |
|---|---------------|----------------|----------------|
| subjects affected / exposed                     | 0 / 1 (0.00%) | 1 / 22 (4.55%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0         | 0 / 1          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0         | 0 / 0          | 0 / 0          |
| Metabolism and nutrition disorders              |               |                |                |
| Hyperlactacidaemia                              |               |                |                |
| subjects affected / exposed                     | 0 / 1 (0.00%) | 0 / 22 (0.00%) | 0 / 23 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0         | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0         | 0 / 0          | 0 / 0          |

| <b>Serious adverse events</b>                     | Part C: PLN-74809<br>160 mg | Part D: PLN-74809<br>320 mg | Placebo        |
|---|-----------------------------|-----------------------------|----------------|
| Total subjects affected by serious adverse events |                             |                             |                |
| subjects affected / exposed                       | 2 / 22 (9.09%)              | 2 / 22 (9.09%)              | 3 / 31 (9.68%) |
| number of deaths (all causes)                     | 0                           | 1                           | 0              |
| number of deaths resulting from adverse events    | 0                           | 1                           | 0              |
| Congenital, familial and genetic disorders        |                             |                             |                |
| Haemorrhagic arteriovenous malformation           |                             |                             |                |
| subjects affected / exposed                       | 0 / 22 (0.00%)              | 1 / 22 (4.55%)              | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all   | 0 / 0                       | 0 / 1                       | 0 / 0          |
| deaths causally related to treatment / all        | 0 / 0                       | 0 / 0                       | 0 / 0          |
| Cardiac disorders                                 |                             |                             |                |
| Acute left ventricular failure                    |                             |                             |                |
| subjects affected / exposed                       | 0 / 22 (0.00%)              | 1 / 22 (4.55%)              | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all   | 0 / 0                       | 0 / 1                       | 0 / 0          |
| deaths causally related to treatment / all        | 0 / 0                       | 0 / 0                       | 0 / 0          |
| Atrial flutter                                    |                             |                             |                |
| subjects affected / exposed                       | 1 / 22 (4.55%)              | 0 / 22 (0.00%)              | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all   | 0 / 1                       | 0 / 0                       | 0 / 0          |
| deaths causally related to treatment / all        | 0 / 0                       | 0 / 0                       | 0 / 0          |
| Blood and lymphatic system disorders              |                             |                             |                |
| Iron deficiency anaemia                           |                             |                             |                |
| subjects affected / exposed                       | 0 / 22 (0.00%)              | 1 / 22 (4.55%)              | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all   | 0 / 0                       | 0 / 1                       | 0 / 0          |
| deaths causally related to treatment / all        | 0 / 0                       | 0 / 0                       | 0 / 0          |
| Gastrointestinal disorders                        |                             |                             |                |

|  |                |                |                |
|--|----------------|----------------|----------------|
| Gastric ulcer haemorrhage<br>subjects affected / exposed | 0 / 22 (0.00%) | 1 / 22 (4.55%) | 0 / 31 (0.00%) |
| occurrences causally related to<br>treatment / all       | 0 / 0          | 0 / 1          | 0 / 0          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 0          | 0 / 0          |
| Gastritis<br>subjects affected / exposed                 | 0 / 22 (0.00%) | 1 / 22 (4.55%) | 0 / 31 (0.00%) |
| occurrences causally related to<br>treatment / all       | 0 / 0          | 0 / 1          | 0 / 0          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 0          | 0 / 0          |
| Ileus<br>subjects affected / exposed                     | 0 / 22 (0.00%) | 1 / 22 (4.55%) | 0 / 31 (0.00%) |
| occurrences causally related to<br>treatment / all       | 0 / 0          | 0 / 1          | 0 / 0          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 0          | 0 / 0          |
| Respiratory, thoracic and mediastinal<br>disorders       |                |                |                |
| Acute respiratory failure<br>subjects affected / exposed | 0 / 22 (0.00%) | 1 / 22 (4.55%) | 0 / 31 (0.00%) |
| occurrences causally related to<br>treatment / all       | 0 / 0          | 0 / 1          | 0 / 0          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 1          | 0 / 0          |
| Dyspnoea<br>subjects affected / exposed                  | 1 / 22 (4.55%) | 0 / 22 (0.00%) | 0 / 31 (0.00%) |
| occurrences causally related to<br>treatment / all       | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 0          | 0 / 0          |
| Respiratory failure<br>subjects affected / exposed       | 0 / 22 (0.00%) | 0 / 22 (0.00%) | 1 / 31 (3.23%) |
| occurrences causally related to<br>treatment / all       | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 0          | 0 / 0          |
| Idiopathic pulmonary<br>fibrosis/Pulmonary fibrosis      |                |                |                |
| subjects affected / exposed                              | 1 / 22 (4.55%) | 0 / 22 (0.00%) | 1 / 31 (3.23%) |
| occurrences causally related to<br>treatment / all       | 0 / 1          | 0 / 0          | 0 / 1          |
| deaths causally related to<br>treatment / all            | 0 / 0          | 0 / 0          | 0 / 0          |
| Renal and urinary disorders                              |                |                |                |
| Acute kidney injury                                      |                |                |                |

|   |                |                |                |
|---|----------------|----------------|----------------|
| subjects affected / exposed                     | 0 / 22 (0.00%) | 1 / 22 (4.55%) | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 1          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Bladder dilatation                              |                |                |                |
| subjects affected / exposed                     | 0 / 22 (0.00%) | 0 / 22 (0.00%) | 1 / 31 (3.23%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Infections and infestations                     |                |                |                |
| Pneumonia                                       |                |                |                |
| subjects affected / exposed                     | 0 / 22 (0.00%) | 0 / 22 (0.00%) | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Metabolism and nutrition disorders              |                |                |                |
| Hyperlactacidaemia                              |                |                |                |
| subjects affected / exposed                     | 0 / 22 (0.00%) | 1 / 22 (4.55%) | 0 / 31 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 1          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |

Frequency threshold for reporting non-serious adverse events: 5 %

| <b>Non-serious adverse events</b>                     | Part A: PLN-74809<br>40 mg | Part B: PLN-74809<br>40 mg | Part C: PLN-74809<br>80 mg |
|---|----------------------------|----------------------------|----------------------------|
| Total subjects affected by non-serious adverse events |                            |                            |                            |
| subjects affected / exposed                           | 1 / 1 (100.00%)            | 8 / 22 (36.36%)            | 8 / 23 (34.78%)            |
| Investigations  |                            |                            |                            |
| Amylase increased                                     |                            |                            |                            |
| subjects affected / exposed                           | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences (all)                                     | 0                          | 0                          | 0                          |
| Injury, poisoning and procedural complications        |                            |                            |                            |
| Skin abrasion   |                            |                            |                            |
| subjects affected / exposed                           | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences (all)                                     | 0                          | 0                          | 0                          |
| Cardiac disorders                                     |                            |                            |                            |
| Atrioventricular block first degree                   |                            |                            |                            |
| subjects affected / exposed                           | 0 / 1 (0.00%)              | 0 / 22 (0.00%)             | 0 / 23 (0.00%)             |
| occurrences (all)                                     | 0                          | 0                          | 0                          |

|  |  |                 |                |
|--|--|-----------------|----------------|
| Nervous system disorders                             |  |                 |                |
|  | Dizziness  |                 |                |
|  | subjects affected / exposed                      | 0 / 1 (0.00%)   | 0 / 22 (0.00%) |
|  | occurrences (all)                                | 0               | 1              |
|  | Headache   |                 |                |
|  | subjects affected / exposed                      | 0 / 1 (0.00%)   | 0 / 22 (0.00%) |
|  | occurrences (all)                                | 0               | 0              |
|  |  |                 |                |
| General disorders and administration site conditions |  |                 |                |
|  | Fatigue  |                 |                |
|  | subjects affected / exposed                      | 0 / 1 (0.00%)   | 2 / 22 (9.09%) |
|  | occurrences (all)                                | 0               | 2              |
|  | Oedema peripheral                                |                 |                |
|  | subjects affected / exposed                      | 0 / 1 (0.00%)   | 0 / 22 (0.00%) |
|  | occurrences (all)                                | 0               | 0              |
|  |  |                 |                |
| Gastrointestinal disorders                           |  |                 |                |
|  | Constipation                                     |                 |                |
|  | subjects affected / exposed                      | 1 / 1 (100.00%) | 0 / 22 (0.00%) |
|  | occurrences (all)                                | 1               | 1              |
|  | Diarrhoea  |                 |                |
|  | subjects affected / exposed                      | 1 / 1 (100.00%) | 2 / 22 (9.09%) |
|  | occurrences (all)                                | 1               | 5              |
|  | Vomiting   |                 |                |
|  | subjects affected / exposed                      | 1 / 1 (100.00%) | 0 / 22 (0.00%) |
|  | occurrences (all)                                | 1               | 0              |
|  | Nausea   |                 |                |
|  | subjects affected / exposed                      | 1 / 1 (100.00%) | 1 / 22 (4.55%) |
|  | occurrences (all)                                | 1               | 1              |
| Respiratory, thoracic and mediastinal disorders      |  |                 |                |
|  | Dyspnoea   |                 |                |
|  | subjects affected / exposed                      | 0 / 1 (0.00%)   | 0 / 22 (0.00%) |
|  | occurrences (all)                                | 0               | 1              |
|  | Cough  |                 |                |
|  | subjects affected / exposed                      | 0 / 1 (0.00%)   | 1 / 22 (4.55%) |
|  | occurrences (all)                                | 0               | 2              |
|  | Idiopathic pulmonary fibrosis/Pulmonary fibrosis |                 |                |

|   |                    |                     |                     |
|---|--------------------|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all)  | 0 / 1 (0.00%)<br>0 | 1 / 22 (4.55%)<br>2 | 0 / 23 (0.00%)<br>0 |
| Infections and infestations<br>COVID-19<br>subjects affected / exposed<br>occurrences (all)             | 0 / 1 (0.00%)<br>0 | 0 / 22 (0.00%)<br>0 | 0 / 23 (0.00%)<br>0 |
| Pneumonia<br>subjects affected / exposed<br>occurrences (all)   | 0 / 1 (0.00%)<br>0 | 1 / 22 (4.55%)<br>1 | 1 / 23 (4.35%)<br>1 |
| Upper respiratory tract infection<br>subjects affected / exposed<br>occurrences (all)                   | 0 / 1 (0.00%)<br>0 | 1 / 22 (4.55%)<br>1 | 0 / 23 (0.00%)<br>0 |
| Metabolism and nutrition disorders<br>Hyperkalaemia<br>subjects affected / exposed<br>occurrences (all) | 0 / 1 (0.00%)<br>0 | 0 / 22 (0.00%)<br>0 | 0 / 23 (0.00%)<br>0 |

| <b>Non-serious adverse events</b>  | Part C: PLN-74809<br>160 mg | Part D: PLN-74809<br>320 mg | Placebo             |
|--|-----------------------------|-----------------------------|---------------------|
| Total subjects affected by non-serious<br>adverse events<br>subjects affected / exposed                                | 10 / 22 (45.45%)            | 18 / 22 (81.82%)            | 14 / 31 (45.16%)    |
| Investigations<br>Amylase increased<br>subjects affected / exposed<br>occurrences (all)                                | 0 / 22 (0.00%)<br>0         | 2 / 22 (9.09%)<br>2         | 0 / 31 (0.00%)<br>0 |
| Injury, poisoning and procedural<br>complications<br>Skin abrasion<br>subjects affected / exposed<br>occurrences (all) | 0 / 22 (0.00%)<br>0         | 0 / 22 (0.00%)<br>0         | 2 / 31 (6.45%)<br>2 |
| Cardiac disorders<br>Atrioventricular block first degree<br>subjects affected / exposed<br>occurrences (all)           | 0 / 22 (0.00%)<br>0         | 2 / 22 (9.09%)<br>2         | 2 / 31 (6.45%)<br>2 |
| Nervous system disorders<br>Dizziness<br>subjects affected / exposed<br>occurrences (all)<br><br>Headache              | 1 / 22 (4.55%)<br>1         | 2 / 22 (9.09%)<br>2         | 0 / 31 (0.00%)<br>0 |

|   |                     |                     |                     |
|---|---------------------|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all)        | 0 / 22 (0.00%)<br>0 | 1 / 22 (4.55%)<br>1 | 2 / 31 (6.45%)<br>2 |
| General disorders and administration<br>site conditions |                     |                     |                     |
| Fatigue   |                     |                     |                     |
| subjects affected / exposed                             | 1 / 22 (4.55%)      | 2 / 22 (9.09%)      | 2 / 31 (6.45%)      |
| occurrences (all)                                       | 1                   | 3                   | 2                   |
| Oedema peripheral                                       |                     |                     |                     |
| subjects affected / exposed                             | 0 / 22 (0.00%)      | 2 / 22 (9.09%)      | 0 / 31 (0.00%)      |
| occurrences (all)                                       | 0                   | 3                   | 0                   |
| Gastrointestinal disorders                              |                     |                     |                     |
| Constipation  |                     |                     |                     |
| subjects affected / exposed                             | 0 / 22 (0.00%)      | 1 / 22 (4.55%)      | 1 / 31 (3.23%)      |
| occurrences (all)                                       | 0                   | 1                   | 1                   |
| Diarrhoea   |                     |                     |                     |
| subjects affected / exposed                             | 5 / 22 (22.73%)     | 7 / 22 (31.82%)     | 4 / 31 (12.90%)     |
| occurrences (all)                                       | 8                   | 11                  | 5                   |
| Vomiting  |                     |                     |                     |
| subjects affected / exposed                             | 2 / 22 (9.09%)      | 0 / 22 (0.00%)      | 0 / 31 (0.00%)      |
| occurrences (all)                                       | 2                   | 0                   | 0                   |
| Nausea  |                     |                     |                     |
| subjects affected / exposed                             | 2 / 22 (9.09%)      | 0 / 22 (0.00%)      | 3 / 31 (9.68%)      |
| occurrences (all)                                       | 5                   | 0                   | 4                   |
| Respiratory, thoracic and mediastinal<br>disorders      |                     |                     |                     |
| Dyspnoea  |                     |                     |                     |
| subjects affected / exposed                             | 2 / 22 (9.09%)      | 5 / 22 (22.73%)     | 1 / 31 (3.23%)      |
| occurrences (all)                                       | 2                   | 6                   | 1                   |
| Cough   |                     |                     |                     |
| subjects affected / exposed                             | 1 / 22 (4.55%)      | 3 / 22 (13.64%)     | 3 / 31 (9.68%)      |
| occurrences (all)                                       | 1                   | 3                   | 3                   |
| Idiopathic pulmonary<br>fibrosis/Pulmonary fibrosis     |                     |                     |                     |
| subjects affected / exposed                             | 1 / 22 (4.55%)      | 4 / 22 (18.18%)     | 3 / 31 (9.68%)      |
| occurrences (all)                                       | 2                   | 4                   | 3                   |
| Infections and infestations                             |                     |                     |                     |
| COVID-19  |                     |                     |                     |

|   |                     |                     |                     |
|---|---------------------|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all)  | 2 / 22 (9.09%)<br>2 | 2 / 22 (9.09%)<br>3 | 0 / 31 (0.00%)<br>0 |
| Pneumonia<br>subjects affected / exposed<br>occurrences (all)   | 0 / 22 (0.00%)<br>0 | 2 / 22 (9.09%)<br>2 | 0 / 31 (0.00%)<br>0 |
| Upper respiratory tract infection<br>subjects affected / exposed<br>occurrences (all)                   | 0 / 22 (0.00%)<br>0 | 2 / 22 (9.09%)<br>2 | 1 / 31 (3.23%)<br>1 |
| Metabolism and nutrition disorders<br>Hyperkalaemia<br>subjects affected / exposed<br>occurrences (all) | 0 / 22 (0.00%)<br>0 | 0 / 22 (0.00%)<br>0 | 3 / 31 (9.68%)<br>4 |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date             | Amendment  |
|------------------|--|
| 17 March 2020    | <p>Version 1.1: Part A was no longer described in the protocol.</p> <ul style="list-style-type: none"><li>-Part B was introduced as a randomized, double-blind, placebo controlled cohort in which 28 participants with IPF were to be randomized in a 3:1 ratio to receive PLN-74809 40 mg or placebo once daily for 28 days.</li><li>-Part C was introduced following favorable DSMB review and completion of enrollment in Part B, to proceed with randomized, double-blind, placebo-controlled cohorts introducing doses above 40 mg.</li><li>-The sample size was changed to capture the increased number of participants to be enrolled in the study.</li></ul>  |
| 30 November 2020 | <p>Version 2.0: A description and rationale for the 80 and 160 mg doses studied in Part C was added.</p> <ul style="list-style-type: none"><li>-Clarified that participants in Part C were to be allocated in a 3:3:2 ratio (parallel randomization) to receive once daily PLN-74809 80 mg or 160 mg, or placebo. Participants in Part C were enrolled under protocol v2.0 in Australia, Canada, and the United States.</li></ul>  |
| 02 December 2020 | <p>Version 2.1: Clarified that participants in Part C were to be allocated in a 3:1 ratio (sequential randomization) to receive once daily PLN-74809 80 mg or placebo (sequential Cohort 1) or 160 mg or placebo (sequential Cohort 2). Participants in Part C were enrolled under protocol v2.1 in Italy, the Netherlands, New Zealand, and the United States.</p> <ul style="list-style-type: none"><li>-Inclusion criteria 7, 8, and 9 regarding contraception were revised in alignment with feedback from various competent authorities. Contraception was also updated.</li><li>-Exclusion criterion 6 (HRCT scan) was clarified and refined based on feedback from competent authorities.</li><li>- "Diagnosis" was removed from exclusion criterion 7 in relation to severe pulmonary hypertension to simplify PI assessment for eligibility.</li><li>-Hepatic impairment was removed from exclusion criterion 11 as it was covered by the exclusion of both end-stage liver disease and liver function tests above the specified limits.</li><li>-Clarified that participation in a previous clinical study should be the linger of either 30 days prior to screening OR 5 half-lives in exclusion criterion 21.</li><li>-Added standardized guidance for the management of missed or delayed study drug administration in Section 6.3 Selection and Timing of Dose for Each Participant.</li><li>-Global guidance for procedures that were to be followed should unblinding have occurred was added.</li><li>-Grapefruit, grapefruit-containing foods and beverages, and St. John's Wort were added as disallowed medications as they can affect the concentration of PLN-74809.</li><li>-Study Procedures was updated to allow a home health care vendor to conduct some of the study visits.</li><li>-Language describing triplicate ECGs and how they were to be captured and measured was added.</li><li>-Historical FVC and FEV1 could be used for eligibility assessments.</li><li>-Clarified that Investigators or the Sponsor could discontinue participants with COVID-19 if their continued study involvement posed a safety risk.</li></ul> |



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| 02 December 2020 | <p>02-Dec-2020 continued:</p> <ul style="list-style-type: none"> <li>- The schedule of assessments was revised for consistency.</li> <li>- The definition of SAEs was clarified to include examples of important medical events, including laboratory abnormalities consistent with drug-induced liver injury, QT prolongation that results in study drug discontinuation, allergic bronchospasm requiring intensive treatment, blood dyscrasias, convulsions, and the development of drug dependency or abuse.</li> <li>- The determination of sample size was clarified to explain that 21 participants per dose level pertained only to those who would receive PLN-74809.</li> </ul>  |
| 19 October 2021  | Version 3.0: Timepoints specific to Part B and C were removed from the objectives to account for the different duration in Parts B and C and Part D.  |
| 20 October 2021  | <p>Version 3.1: A description and rationale for the 320 mg once daily dose for Part D was added following DSMB evaluation of the 80 and 160 mg doses from Part C.</p> <ul style="list-style-type: none"> <li>-Updated on the progress of Part C to explain that the DSMB had evaluated the 40 mg dose and recommended to continue without modification.</li> <li>-Digoxin (a P-gp substrate) was removed from exclusion criterion 25 following completion of the drug-drug interaction study PLN-74809-110.</li> <li>-Additional data was added to Section 6.6.1 Allowed Medications to describe drug-drug interaction studies between PLN-74809 and fluconazole and digoxin.</li> <li>Additional data was also added to Section 6.6.2 Disallowed Medications to describe the drug-drug interactions studies between PLN-74809 and itraconazole.</li> <li>-The phosphate salt formulation of PLN-74809 used in Part D was described, and storage conditions were revised.</li> <li>-Added language to provide direction as to how AEs and SAEs were to be reported. The process for reporting SAEs was revised to align with pharmacovigilance vendor reporting procedures.</li> <li>-Interim Analysis was updated to include a description of additional interim analyses.</li> <li>-Assessments and visits were added to the schedules of assessments for Parts B, C, and D to align with the revised study design and objectives.</li> </ul> |

Notes:

## Interruptions (globally)

Were there any global interruptions to the trial? No

## Limitations and caveats

None reported