

SYNOPSIS

Name of Sponsor: Mayne Pharma	Individual Study Table Referring to Part of the Dossier	(For National Authority Use only)
Name of Finished Product: trifarotene cream HE1	Volume:	
Name of Active Ingredient: CD5789	Page:	
Title of Study:	A Phase 2 Randomized, Multicenter, Double-blind, Vehicle-controlled, 90-Day, Safety, Efficacy, and Systemic Exposure Study followed by a 90-Day Open-label Extension of Trifarotene (CD5789) Cream HE1 in Adults and Adolescents with Autosomal Recessive Ichthyosis with Lamellar Scale	
Investigator(s):	This was a multicenter study	
Publication (Reference):	None	
Study Period:	Date of First Consent:	17-Jun-2019
	Date of Last Follow-up Visit:	02-Sep-2021
	Date of Early Termination	30-Jul-2021
Phase of Development:	Phase 2	
Objectives:		
Primary:	To compare the safety and efficacy of 2 concentrations of trifarotene cream HE1 versus vehicle, in adults and adolescents with moderate to severe autosomal recessive ichthyosis with lamellar scale, also known as lamellar ichthyosis (LI) after 90 days of treatment.	
Secondary:	<ul style="list-style-type: none"> To assess systemic exposure to trifarotene and its major metabolites after topical application of the investigational product (IP) on up to 90% body surface area (BSA) twice weekly. To assess safety for up to 180 days of dosing with open-label trifarotene cream HE1 200 µg/g. 	
Methodology:	This was a 2-cohort, multicenter study in subjects with moderate to severe LI (i.e., 3-4 on a 5-point Investigator's Global Assessment [IGA] where 0 = clear; 1 = almost clear; 2 = mild; 3 = moderate; 4 = severe). The first cohort of subjects (Cohort A) randomized adults (≥18 years old) in a 1:1:1 ratio to trifarotene (CD5789) cream HE1 100 µg/g, trifarotene cream HE1 200 µg/g, or vehicle. After the initial 15 subjects completed at least 28 days of treatment, an independent data safety monitoring board (DSMB) reviewed aggregate safety and tolerability data (including pharmacokinetic [PK] and electrocardiogram [ECG] data). Adult subjects continued to be enrolled in the study, until DSMB evaluation, at which time, 22 adult subjects had been enrolled and 7 had participated in the PK substudy. No safety issues were identified clinically; although several subjects had detectable serum levels of the study drug and metabolites, these were evaluated as not clinically significant; therefore, adolescents (ages 12 to 17 years, inclusive) were allowed to enroll together with adults in Cohort B. Subjects in Cohort B were randomized and treated in the same manner as subjects in Cohort A.	

Name of Sponsor: Mayne Pharma	Individual Study Table Referring to Part of the Dossier	(For National Authority Use only)																												
Name of Finished Product: trifarotene cream HE1	Volume:																													
Name of Active Ingredient: CD5789	Page:																													
<p>All subjects (Cohort A and Cohort B) who completed the 90-day Double-blind Treatment Period were eligible to enroll in the 90-day Open-label Extension (OLE). Subjects in the OLE received open-label trifarotene cream HE1 200 µg/g twice weekly for 90 days.</p> <p>Since this study was terminated by the sponsor on 30-Jul-2021, the findings of the study are presented in an abbreviated CSR.</p>																														
Number of Subjects (Planned and Analyzed):	Planned: 120 Early Termination: 13 Analyzed (Safety): 65	Screened: 99 Completed Double-blind: 52	Enrolled: 65 Randomized: 65 Entered OLE: 49																											
Diagnosis and Main Criteria for Inclusion:	For the purposes of this study, diagnosis of LI was a clinical diagnosis. For Cohort A subjects must have been ≥18 years old; for Cohort B subjects must have been ≥12 years old. Subjects of childbearing potential were not to be pregnant or lactating. Females of reproductive potential, males and their partners capable of reproduction had to be using 2 effective forms of contraception during the study and for at least 1 month after study drug application. Males could not donate sperm for at least 1 month after study drug application.																													
Test Products, Dose and Mode of Administration, Lot Numbers:	Trifarotene (CD5789) cream HE1 <ul style="list-style-type: none"> • Double-blind Period dose, route, frequency: Up to 36 g per dose of 100 µg/g, 200 µg/g applied topically twice weekly on up to 90% body surface area (BSA) • Open-label Extension dose, route, frequency: Up to 36 g per dose of 200 µg/g applied topically twice weekly on up to 90% BSA <p>Lot Numbers:</p> <table border="1" data-bbox="505 1402 1336 1770"> <thead> <tr> <th>Drug Information</th> <th>Catalent Lot</th> <th>Supplier Lot</th> </tr> </thead> <tbody> <tr> <td>Trifarotene placebo cream 50g tube</td> <td>4353267</td> <td>312376</td> </tr> <tr> <td>Trifarotene 200mcg/g cream 50g tube</td> <td>4353265</td> <td>328132</td> </tr> <tr> <td>Trifarotene 100mcg/g cream 50g tube</td> <td>4353263</td> <td>312377</td> </tr> <tr> <td>Trifarotene 200mcg/g cream 50g tube</td> <td>4262038</td> <td>328132</td> </tr> <tr> <td>Trifarotene 200mcg/g cream 50g tube</td> <td>3924529</td> <td>312378</td> </tr> <tr> <td>Trifarotene 200mcg/g cream 50g tube</td> <td>3924527</td> <td>312378</td> </tr> <tr> <td>Trifarotene 100mcg/g cream 50g tube</td> <td>3924526</td> <td>312377</td> </tr> <tr> <td>Trifarotene placebo cream 50g tube</td> <td>3924524</td> <td>312376</td> </tr> </tbody> </table>			Drug Information	Catalent Lot	Supplier Lot	Trifarotene placebo cream 50g tube	4353267	312376	Trifarotene 200mcg/g cream 50g tube	4353265	328132	Trifarotene 100mcg/g cream 50g tube	4353263	312377	Trifarotene 200mcg/g cream 50g tube	4262038	328132	Trifarotene 200mcg/g cream 50g tube	3924529	312378	Trifarotene 200mcg/g cream 50g tube	3924527	312378	Trifarotene 100mcg/g cream 50g tube	3924526	312377	Trifarotene placebo cream 50g tube	3924524	312376
Drug Information	Catalent Lot	Supplier Lot																												
Trifarotene placebo cream 50g tube	4353267	312376																												
Trifarotene 200mcg/g cream 50g tube	4353265	328132																												
Trifarotene 100mcg/g cream 50g tube	4353263	312377																												
Trifarotene 200mcg/g cream 50g tube	4262038	328132																												
Trifarotene 200mcg/g cream 50g tube	3924529	312378																												
Trifarotene 200mcg/g cream 50g tube	3924527	312378																												
Trifarotene 100mcg/g cream 50g tube	3924526	312377																												
Trifarotene placebo cream 50g tube	3924524	312376																												

Name of Sponsor: Mayne Pharma	Individual Study Table Referring to Part of the Dossier	(For National Authority Use only)
Name of Finished Product: trifarotene cream HE1	Volume:	
Name of Active Ingredient: CD5789	Page:	
Reference Therapy, Dose and Mode of Administration, Batch Number:	Vehicle cream <ul style="list-style-type: none"> • Double-blind Period dose, route, frequency: Up to 36 g per dose applied topically twice weekly on up to 90% BSA 	
Duration of Study Participation:	<p>The sequence and maximum duration of the study periods for each subject were as follows:</p> <ol style="list-style-type: none"> 1. Screening: Up to 97 days. Before asking a subject to enter washout, investigators were to confirm the subject met study eligibility criteria, except for LI severity (Inclusion Criterion #3), which would be assessed after washout. Washout could be up to 90 days. After completing any necessary Washout Period, subjects returned to the site within 35 days before the Baseline Visit within the 97-day Screening Period to have their LI severity assessed and final study eligibility requirements determined. 2. Double-blind study drug application: Twice weekly for 90 days. 3. Optional Open-label Extension: Twice weekly for 90 days. 4. Follow-up: 14 days after last study drug application. <p>The maximum treatment duration for each subject was approximately 90 days for subjects who chose not to continue into the OLE, and 180 days for those who chose to continue.</p> <p>The maximum study duration for each subject was approximately 291 days.</p>	
Criteria for Evaluation:	<p>Efficacy:</p> <p>The proportion of subjects in each treatment group who experience successful resolution of LI where “success” is defined as clear/almost clear on treated areas and at least a 2-grade change from Baseline at Day 90/end-of-treatment (EOT) in the Double-blind Period on the 5-point IGA full body scale.</p> <p>Secondary endpoints:</p> <ul style="list-style-type: none"> • The difference in mean scores between the active trifarotene cream HE1 and vehicle groups in the following assessment indices from Baseline through Day 90 • 5-point Visual Index for Ichthyosis Severity (VIIS) for scaling (overall 16 points for scaling, i.e. 0–4 points for 4 body areas: chest/abdomen, back, arms and legs) • Individual score for roughness overall (Scale: 0–4) • Palm/sole Assessment (Scale: 0–4) • Quality of life per Dermatology Life Quality Index (DLQI) and children’s DLQI (cDLQI) 	

Name of Sponsor: Mayne Pharma	Individual Study Table Referring to Part of the Dossier	(For National Authority Use only)
Name of Finished Product: trifarotene cream HE1	Volume:	
Name of Active Ingredient: CD5789	Page:	
<p>Other common TEAEs ($\geq 5\%$ overall) in the overall safety population during the Double-blind Period included back pain, headache, and dysmenorrhea, none of which was considered related to study treatment.</p> <p>During the OLE Period, headache and back pain were the most common TEAEs, and none was considered related to study treatment.</p> <p>No related TEAE was experienced by more than 1 subject overall in either period of the study.</p> <p>Local tolerability assessments were generally good; the majority of subjects in each treatment group reporting no erythema, stinging/burning, or pruritus for any of the locations (face/neck, chest/abdomen, back, legs, or arms) in both study periods.</p>		
Date of the Report:	18-Jan-2022	