

Impact of Meal Contents and Intake Timing on Pexidartinib Exposure

March 2023
US Medical Affairs

Internal Disclaimers



- This slide deck is intended for internal training use and for external reactive use by the Regional Medical Affairs teams.
- Each region is responsible for obtaining the necessary legal/regulatory/compliance approvals for this slide deck prior to external use.
- Copyright permissions for images in this deck have been obtained for presentation and reactive leave-behind unless otherwise noted.
- Pexidartinib is approved for use in the US, South Korea, and Taiwan for the treatment of adult patients with symptomatic tenosynovial giant cell tumor (TGCT) associated with severe morbidity or functional limitations and not amenable to improvement with surgery. Its use is investigational in all other countries.

Pexidartinib Inhibits Colony Stimulating Factor-1 Receptor (CSF-1R)

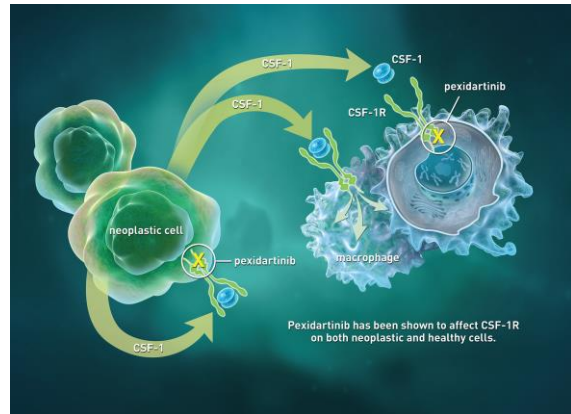


Pathophysiology of TGCT

- Overexpression of the CSF-1R ligand promotes cell proliferation and accumulation in the synovium

Pexidartinib Mechanism of Action

- Pexidartinib is a small molecule tyrosine kinase inhibitor that targets CSF-1R, KIT proto-oncogene receptor tyrosine kinase (KIT), and FMS-like tyrosine kinase 3 (FLT3) harboring an internal tandem duplication (ITD) mutation
- In vitro, pexidartinib inhibited proliferation of cell lines dependent on CSF-1R and ligand-induced autophosphorylation of CSF-1R
- Pexidartinib also inhibited the proliferation of a CSF-1R-dependent cell line in vivo



Pexidartinib is currently approved for use in the USA, South Korea, and Taiwan.

Reference: Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

3

Pathophysiology of TGCT

- Overexpression of the CSF-1R ligand promotes cell proliferation and accumulation in the synovium

Pexidartinib Mechanism of Action

- Pexidartinib is a small molecule tyrosine kinase inhibitor that targets colony stimulating factor-1 receptor (CSF-1R), KIT proto-oncogene receptor tyrosine kinase (KIT), and FMS-like tyrosine kinase 3 (FLT3) harboring an internal tandem duplication (ITD) mutation
- In vitro, pexidartinib inhibited proliferation of cell lines dependent on CSF-1R and ligand-induced autophosphorylation of CSF-1R
- Pexidartinib also inhibited the proliferation of a CSF-1R-dependent cell line in vivo
- Pexidartinib is currently approved for use in the USA, South Korea, and Taiwan

Reference

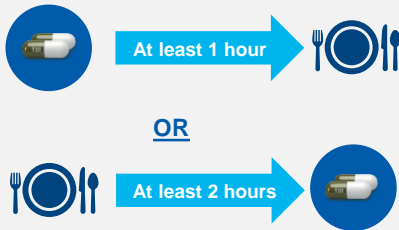
Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022.

As of February 1, 2023, 125 mg Pexidartinib Capsules Are Available and Should Be Taken With a Low-fat Meal



Previous approved regimen¹

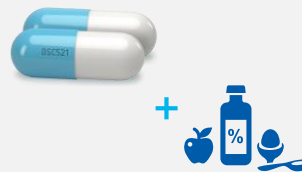
Take pexidartinib at least 1 hour before or 2 hours after a meal or snack



800 mg/day on an empty stomach

Current approved regimen²

Take pexidartinib with a low-fat meal (approximately 11 to 14 grams of total fat)



500 mg/day with a low-fat meal

References: 1. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2020. 2. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

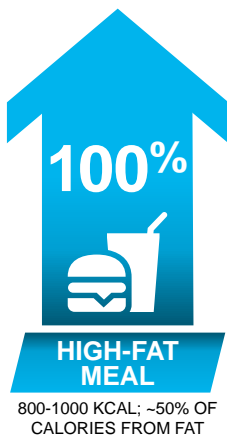
4

- Pexidartinib is approved for use in the US, South Korea, and Taiwan
- The US prescribing information for pexidartinib at initial approval included instructions to administer pexidartinib on an empty stomach, at least 1 hour before or 2 hours after a meal or snack¹
- In the October 2022 label update, the recommended dose of pexidartinib was changed from 800 mg/day on an empty stomach to 500 mg/day with a low-fat meal^{1,2}

References

1. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2020.
2. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022.

Potential Risks Associated With a High-fat Meal



The solubility of pexidartinib is pH-dependent. A high-fat diet lowers the pH, which makes pexidartinib more soluble, and more of the dose can be absorbed¹

Administration of pexidartinib with a high-fat meal increases pexidartinib exposure by 100%^{2*}

Increased exposure to pexidartinib may increase the incidence and severity of adverse events, including hepatotoxicity²

Patients are instructed to avoid taking pexidartinib with a high-fat meal (approximately 55 to 65 grams of total fat)²

*Compared with administration of pexidartinib in a fasted state.

References: 1. Daiichi Sankyo, Inc. Data on File. 2. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

5

- The solubility of pexidartinib is pH-dependent. A high-fat diet lowers the pH, which makes pexidartinib more soluble, and more of the dose can be absorbed¹
- Administration of pexidartinib with a high-fat meal increases pexidartinib exposure by 100%, which may increase the incidence and severity of adverse events, including hepatotoxicity²
- The US prescribing information for pexidartinib includes instructions to avoid taking pexidartinib with a high-fat meal (approximately 55 to 65 grams of total fat)²

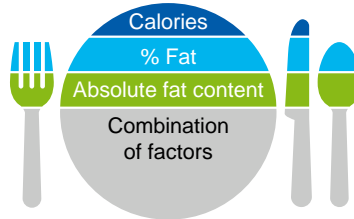
References

1. Daiichi Sankyo, Inc. Data on File.
2. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022.

A Better Understanding of the Effects of Meal Components and Intake Timing Will Help Inform Meal Recommendations to Patients



- What aspects of a meal have the greatest impact on pexidartinib exposure?



- When can a patient safely consume a high-fat meal in relation to pexidartinib dosing?



© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

6

- A better understanding of the effects of meal components and intake timing will help inform meal recommendations to patients
 - What aspects of a meal (eg, caloric content, percent fat content, absolute fat content, or a combination of factors) have the greatest impact on pexidartinib exposure?
 - When can a patient safely consume a high-fat meal before or after pexidartinib dosing?

Development of a Physiologically Based Pharmacokinetic (PBPK) Model for Pexidartinib to Evaluate the Impact of Meal Contents and Intake Timing on Drug Exposure

American Conference on Pharmacometrics Meeting 2022

Shintaro Nakayama,^{1*} Viera Lukacova,² Shuichi Tanabe,³ Akiko Watanabe,¹
Jim Mullin,² Sandra Suarez-Sharp,² Takako Shimizu¹

¹Quantitative Clinical Pharmacology Department, Daiichi Sankyo Co., Ltd., Tokyo, Japan; ²Simulations Plus, Inc., Lancaster, CA, USA; ³Formulation Technology Research Laboratories, Daiichi Sankyo Co., Ltd., Tokyo, Japan.

*Presenting author.

Study Objective and Design



Objective

- Develop and validate a PBPK model to determine the impact of pexidartinib dose, timing of dose with respect to meals, meal type, and caloric content on drug exposure

Model development

- In vitro physicochemical, in silico predicted, and fitted (eg, bile salt solubilization ration, precipitation time, radius for precipitate, logP, and liver intrinsic clearance) data
- Clinical data from PL3397-A-U107: dose-proportional study, 200-600 mg in a fasted state
- Quantitative food-effect studies with LFM and HFM: 1.6- and 2-fold with LFM and HFM, respectively

Model validation

- Clinical data from PL3397-A-U116; relative bioavailability study with 2 different formulations, J3397-AE and J3397-AF
- Clinical data from PL3397-A-U114 and U128: food-effect study with LFM and HFM
- Clinical data from control arm of 6 clinical pharmacology studies

Model application

- Simulation to predict the impact of the time elapsed between 250 mg dosing and HFM on pexidartinib exposure
- Simulation to predict the impact of the meal contents with varied calories and fat contents

HFM=high-fat meal; LFM=low-fat meal; PBPK=physiologically based pharmacokinetic.

Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

6

- The objective of this study was to develop and validate a physiologically based pharmacokinetic (PBPK) model to determine the impact of pexidartinib dose, timing of dose with respect to meals, meal type, and caloric content on drug exposure

Review figure on the slide.

Additional information:

- The model was constructed in GastroPlus® (version 9.8.1, Simulations Plus, Inc.; Lancaster, CA, USA) using in vitro physicochemical properties, in silico predictions from ADMET Predictor® (version 10.0, Simulations Plus, Inc.; Lancaster, CA, USA), and in vivo parameters from pexidartinib clinical studies
- The Advanced Compartmental Absorption and Transit (ACAT™) model was used to mechanistically describe the intestinal absorption and first-pass extraction of pexidartinib after oral administration, and the PBPKPlus™ module in GastroPlus® was used to simulate the systemic distribution and clearance of pexidartinib

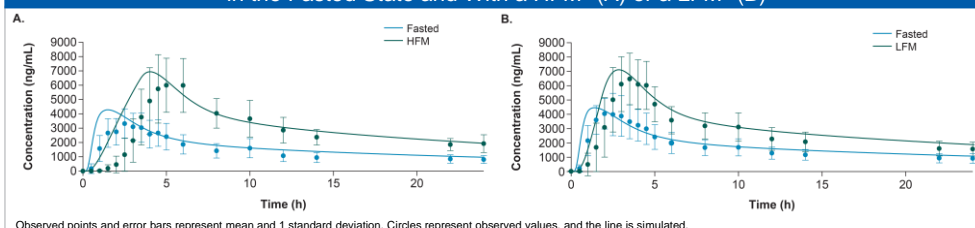
Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

Model Validation¹



Observed and Simulated PK Profiles for Pexidartinib After Administration in the Fasted State and With a HFM* (A) or a LFM† (B)



Observed points and error bars represent mean and 1 standard deviation. Circles represent observed values, and the line is simulated.

Predicted vs Observed Food Effect on the PK of Pexidartinib

Study	Dose (mg)	Meal type	Observed food effect [‡]		Predicted food effect		Predicted/observed	
			C _{max} ratio	AUC _{inf}	C _{max} ratio	AUC _{inf}	C _{max} ratio	AUC _{inf}
PL3397-A-U114	400	HFM	1.99	2.11	1.62	1.90	0.82	0.90
PL3397-A-U128	400	LFM	1.56	1.59	1.59	1.69	1.02	1.07

Comparison of the observed and predicted values showed that the model correctly captured the effect of a low- and high-fat meal on pexidartinib exposure

AUC_{inf}=area under the plasma concentration-time curve from the time of dosing extrapolated to infinity; C_{max}=maximum observed plasma drug concentration; HFM=high-fat meal; LFM=low-fat meal; PK=pharmacokinetics.

*A HFM consisted of 2 slices of toast with 2 pats of butter, 2 fried eggs, 2 strips of pork bacon, 4 oz of hash brown potatoes, and 240 mL of whole milk.²

†A LFM consisted of 8 ounces of 1% milk, 1 boiled egg, and 1 packet of instant flavored oatmeal with water.³

[‡]"Food effect" is described as the ratio of exposure parameter (C_{max} or AUC_{inf}) after administration with a meal versus administration in fasted subjects. Observed food effect was calculated as a ratio of geometric means of individual values with the 2 different treatments.

References: 1. Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado. 2. Daiichi Sankyo, Inc. Data on File. PL3397-A-U114 Clinical Study Report. 3. Daiichi Sankyo, Inc. Data on File. PL3397-A-U128 Clinical Study Report.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

- The model was validated by predicting pexidartinib exposure from 9 clinical studies. Some of the prediction errors for model validation were >25%, which is a consequence of high-observed intersubject and interstudy variability in pexidartinib PK
- Observed and simulated plasma concentration-time profiles for pexidartinib from clinical studies PL3397-A-U114 (with a high-fat meal) and PL3397-A-U128 (with a low-fat meal) are shown on the slide
- The model correctly captured the food effect with low-fat meals and high-fat meals, making it suitable to evaluate the bioequivalence between the dosing of 250 mg pexidartinib (2 x 125 mg capsules) administered with a low-fat meal and 400 mg pexidartinib (2 x 200 mg capsules) administered in a fasted state
- The predicted effect of a meal on C_{max} and AUC_{inf} captured the observed food effect with a low-fat meal and a high-fat meal in clinical studies

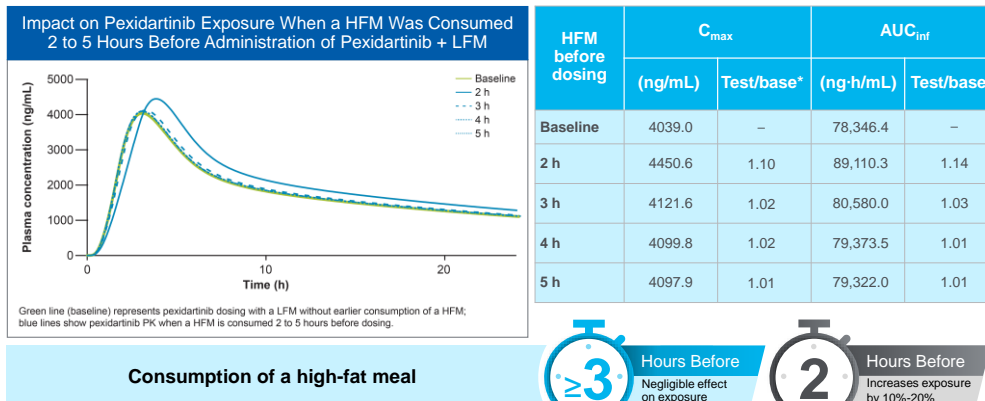
Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

Model Application: Timing of High-fat Meal Consumption on Pexidartinib Exposure



Consuming a HFM ≥ 3 Hours Before Dosing Had a Negligible Effect on Pexidartinib PK



AUC_{inf} =area under the plasma concentration-time curve up to time infinity; C_{max} =maximum plasma concentration; HFM=high-fat meal; h=hour; LFM=low-fat meal; PK=pharmacokinetics.
*Ratio of the PK parameter value between specific HFM timing and baseline (no HFM).
Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

11

- When a high-fat meal was consumed 2 hours before dosing, pexidartinib exposure increased by 10%-20%, whereas there was a negligible impact when a high-fat meal was consumed ≥ 3 hours before pexidartinib and a low-fat meal

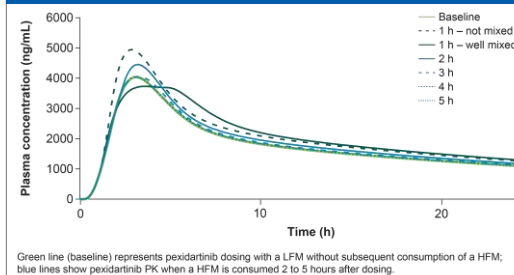
Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

Consuming a HFM ≥ 2 Hours After Dosing Had a $<10\%$ Effect on Pexidartinib PK



Impact on Pexidartinib Exposure When a HFM Was Consumed 1 to 5 Hours After Administration of Pexidartinib + LFM



HFM after dosing	C_{max}		AUC_{inf}	
	(ng/mL)	Test/base [†]	(ng·h/mL)	Test/base [†]
Baseline	4039.0	—	78,346.4	—
1 h — not mixed [*]	4942.2	1.22	90,352.3	1.15
1 h — well mixed [†]	3730.3	0.92	90,855.9	1.16
2 h	4451.9	1.10	83,819.4	1.07
3 h	4042.6	1.00	80,216.5	1.02
4 h	4039.0	1.00	78,745.1	1.01
5 h	4039.0	1.00	78,436.8	1.00

Consumption of a high-fat meal



Hours After
Increases exposure
by $<10\%$



Hour After
Increases exposure
by 15%-16%

AUC_{inf} =area under the plasma concentration-time curve up to time infinity; C_{max} =maximum plasma concentration; h=hour; HFM=high-fat meal; LFM=low-fat meal; PK=pharmacokinetics.

^{*}Result based on the assumption that HFM does not mix with the remaining stomach contents, and the remaining drug continues emptying from the stomach at the same rate as before the HFM consumption.

[†]Result based on the assumption that HFM is well mixed with the remaining stomach contents, resulting in a slower rate of the remaining drug emptying from the stomach.

[‡]Ratio of PK parameter value between specific HFM timing and baseline (no HFM).

Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. — CONFIDENTIAL. NOT FOR DISTRIBUTION.

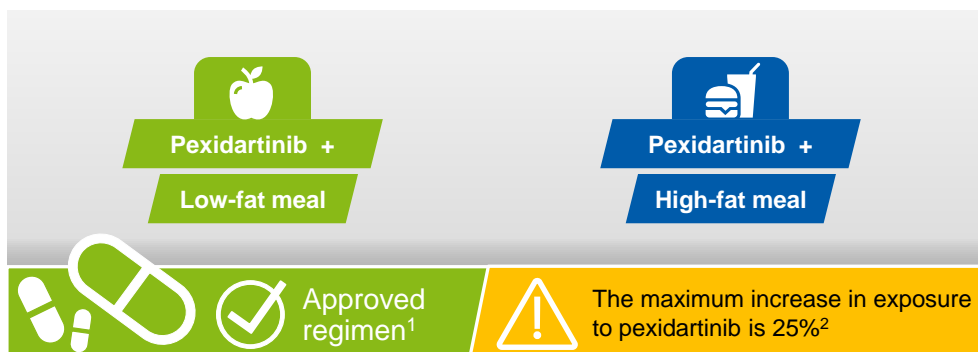
12

- A 15%-16% increase in percent absorbed, bioavailability, and AUC_{inf} was predicted when consuming a high-fat meal 1 hour after pexidartinib and a low-fat meal, but a $<10\%$ effect on PK was predicted when a high-fat meal was consumed ≥ 2 hours after pexidartinib and a low-fat meal

Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

What Is the Change in Drug Exposure if Pexidartinib Is Taken With a High-fat Meal Instead of a Low-fat Meal?



References: 1. Turalio. Prescribing Information. Daiichi Sankyo, Inc.; 2022. 2. Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

13

- Dosing pexidartinib with a high-fat meal is expected to show the maximum difference in exposure
- The model-predicted increase in drug exposure when dosing pexidartinib with a high-fat meal was only approximately 25% compared to dosing pexidartinib with a low-fat meal, which is consistent with a low impact of high-fat meals on pexidartinib exposure with the currently approved regimen

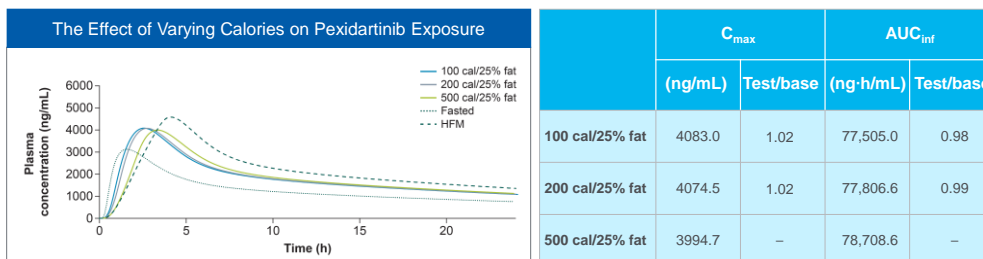
Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

Model Application: Effect of Meal Components on Pexidartinib Exposure



Altering the Caloric Content of Food Does Not Significantly Affect Pexidartinib Exposure



- Altering the caloric content from 100 to 500 calories did not significantly alter AUC_{inf} and C_{max}
 - T_{max} changed by approximately 25%
- Meal recommendations focused on % fat content alone may be sufficient to ensure that the target level of pexidartinib exposure is achieved

AUC_{inf} =area under the plasma concentration-time curve from the time of dosing extrapolated to infinity; C_{max} =maximum observed plasma drug concentration; HFM=high-fat meal; T_{max} =time of maximum observed plasma drug concentration.
Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

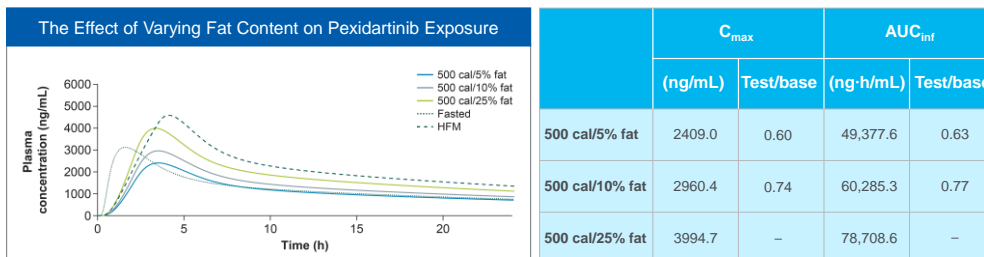
15

- Altering the caloric content from 100 to 500 calories did not significantly alter AUC_{inf} and C_{max}
 - T_{max} changed by approximately 25%
- Therefore, meal recommendations focused on percent fat content alone may be sufficient to ensure that the target level of pexidartinib exposure is achieved

Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

The Fat Content in a Meal Influences Pexidartinib Exposure



- Changing the fat content between 5% and 25% resulted in an approximately 40% change in AUC_{inf} and C_{max}
- Meal recommendations based on calories alone would likely not be sufficient to ensure that the target pexidartinib exposure level is achieved

AUC_{inf} =area under the plasma concentration-time curve from the time of dosing extrapolated to infinity; C_{max} =maximum observed plasma drug concentration; HFM=high-fat meal.
Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

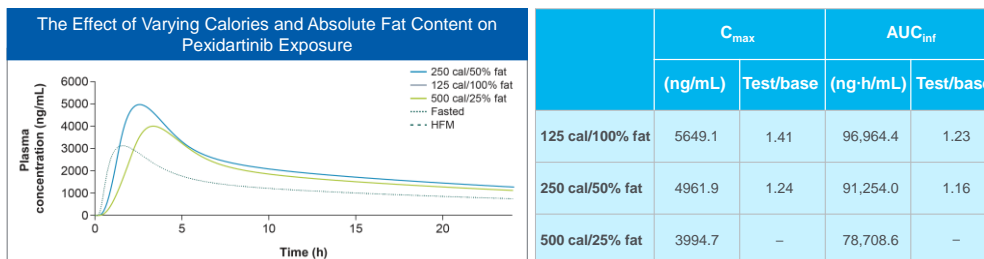
16

- Changing the fat content between 5% and 25% resulted in an approximately 40% change in AUC_{inf} and C_{max}
- Therefore, meal recommendations based on calories alone would likely not be sufficient to ensure that the target pexidartinib exposure level is achieved

Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

The Absolute Fat Content in a Meal Influences Pexidartinib Exposure



- Changing the number of calories (125 cal-500 cal) and percent fat (25%-100%) changed AUC_{inf} by approximately 25% and C_{max} by approximately 40%
 - T_{max} was approximately 40% lower in the low-calorie/high-fat meal compared to the high-calorie/low-fat meal condition
- Meal recommendations based on absolute fat content alone would likely not be sufficient to ensure that the target pexidartinib exposure level is achieved

AUC_{inf} =area under the plasma concentration-time curve from the time of dosing extrapolated to infinity; C_{max} =maximum observed plasma drug concentration; HFM=high-fat meal.
Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

17

- Changing the number of calories (125 cal-500 cal) and percent fat (25%-100%) changed AUC_{inf} by approximately 25% and C_{max} by approximately 40%
 - T_{max} was approximately 40% lower in the low-calorie/high-fat meal compared to the high-calorie/low-fat meal condition
- Therefore, meal recommendations based on absolute fat content alone would likely not be sufficient to ensure that the target pexidartinib exposure level is achieved

Reference

Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

Conclusions



The fat percentage of a meal qualitatively increased the exposure of pexidartinib, suggesting the importance of controlling food components, especially fat contents, and meal timing before/after pexidartinib administration



The predicted low impact of consuming a high-fat meal before or after pexidartinib dosing with a low-fat meal is consistent with only a 25% observed difference in pexidartinib exposure when administered with a low-fat meal or high-fat meal



These results can be used to derive recommendations on the timing of pexidartinib dose administration with respect to meals

Reference: Nakayama S et al. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

18

- The fat percentage of a meal qualitatively increased the exposure of pexidartinib, suggesting the importance of controlling food components, especially fat contents, and meal timing before/after pexidartinib administration
- The predicted low impact of consuming a high-fat meal before or after pexidartinib dosing with a low-fat meal is consistent with only a 25% observed difference in pexidartinib exposure when administered with a low-fat meal or high-fat meal
- These results can be used to derive recommendations on the timing of pexidartinib dose administration with respect to meals

Reference

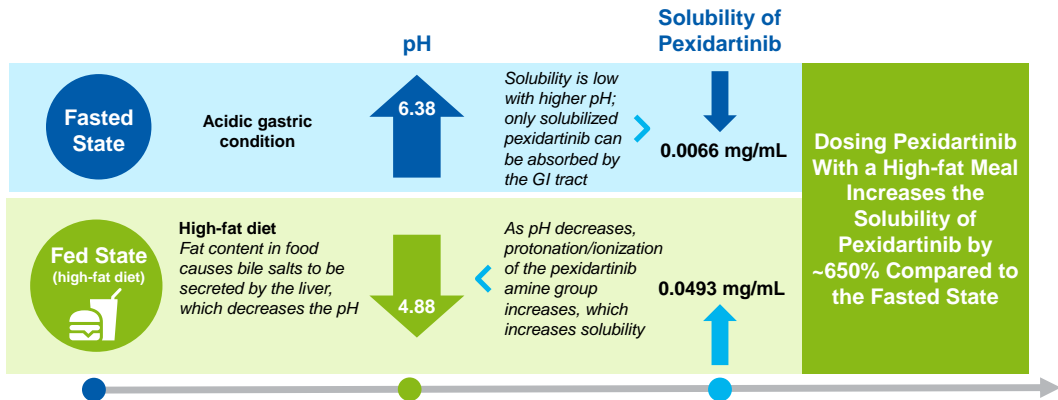
Nakayama S, Lukacova V, Tanabe S, et al. Development of a physiologically based pharmacokinetic (PBPK) model for pexidartinib to evaluate the impact of meal contents and intake timing on drug exposure. Poster presented at: American Conference on Pharmacometrics. October 30-November 2, 2022; Aurora, Colorado.

Backup Slides

Implications of Dosing With a High-fat Meal vs Fasted State on the Relative Oral Bioavailability of Pexidartinib



- The solubility of pexidartinib is pH-dependent
- A high-fat diet lowers the pH, which makes pexidartinib more soluble, and more of the dose can be absorbed



GI=gastrointestinal.
Reference: Daiichi Sankyo, Inc. Data on File.



© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

20

Effects of Different Meal Types on Pexidartinib Pharmacokinetics in Healthy Patients: Study Design



Eligible patients were 18 to 45 years of age (high-fat meal study) or 18 to 60 years of age (low-fat meal study) and in good health

	 High-fat meal 800-1000 kcal with ~50% of calories from fat	 Low-fat meal 400-500 kcal with ~25% of calories from fat
Treatment	Pexidartinib phase 3 formulation: 400 mg administered orally on Day 1 within 30 minutes of a high-fat, high-calorie meal	Pexidartinib phase 3 formulation: 400 mg administered orally on Day 1 within 30 minutes of low-fat, low-calorie meal
Outcomes	AUC, C_{max} , and mean (SD) plasma concentration of pexidartinib	AUC, C_{max} , mean (SD) plasma concentration of pexidartinib

AUC=area under curve; C_{max} =peak pexidartinib concentration; SD=standard deviation.
 Zahir et al. Poster presented at: American College of Clinical Pharmacology® (ACCP) Annual Meeting; September 21-23, 2020; Virtual.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

21

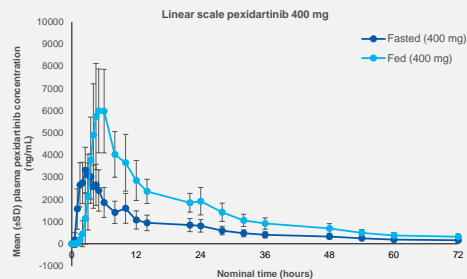
Effects of Different Meal Types on Pexidartinib Pharmacokinetics in Healthy Patients: High-fat Versus Low-fat Meal



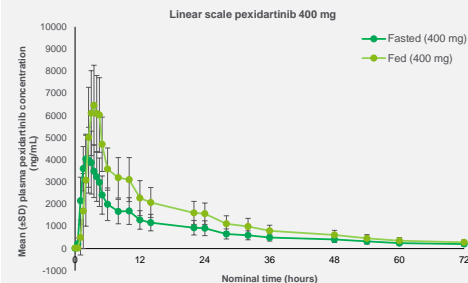
- Pexidartinib administered after a **high-fat meal** resulted in an approximate **doubling of C_{max} and AUC** compared with the fasted state for doses ranging from 400 mg to 1800 mg
- Pexidartinib administered (200 mg and 400 mg) with a **low-fat meal increased exposure by ~60%**



High-fat Meal Study Mean (\pm SD) Plasma Pexidartinib Concentration-Time Profiles by treatment



Low-fat Meal Study Mean (\pm SD) Plasma Pexidartinib Concentration-Time Profiles by treatment



AUC=area under curve; C_{max} =peak pexidartinib concentration; SD=standard deviation.

Zahir et al. Poster presented at: American College of Clinical Pharmacology® (ACCP) Annual Meeting; September 21-23, 2020; Virtual.

© 2023 Daiichi Sankyo, Inc. – CONFIDENTIAL. NOT FOR DISTRIBUTION.

22