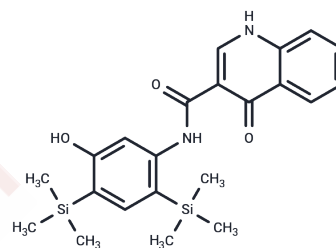


Dirocaftor

Chemical Properties

CAS No. :	2137932-23-9
Formula:	C ₂₂ H ₂₈ N ₂ O ₃ Si ₂
Molecular Weight:	424.64
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dirocaftor (PTI-808) is a CFTR potentiator that enhances CFTR protein function by activating chloride channels, with potential utility for cystic fibrosis (CF) research.
Targets(IC50)	Others
In vitro	When co-administered with Nesolicaftor and Posenacaftor, Dirocaftor enhances the functionality of CFTR to levels approaching normalcy[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3549 mL	11.7747 mL	23.5494 mL
5 mM	0.471 mL	2.3549 mL	4.7099 mL
10 mM	0.2355 mL	1.1775 mL	2.3549 mL
50 mM	0.0471 mL	0.2355 mL	0.471 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

James A Reihill, et al. Modulation of Ion Transport to Restore Airway Hydration in Cystic Fibrosis. Genes (Basel). 2021 Mar 22;12(3):453.

P. van Mourik, et al. WS10 Moving beyond body mass index to assess nutritional status in CF. Journal of Cystic Fibrosis 19S2 (2020) S1-S36.

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