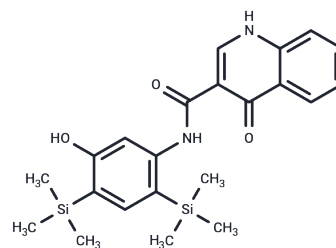


Dirocaftor

Chemical Properties

CAS No. : 2137932-23-9
Formula: C₂₂H₂₈N₂O₃Si₂
Molecular Weight: 424.647
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Dirocaftor (PTI-808) is a CFTR potentiator that augments CFTR protein function via the activation of chloride channels. Dirocaftor holds potential utility for research pertaining to cystic fibrosis (CF).
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	11.7744 mL	23.5488 mL
5 mM	0.471 mL	2.3549 mL	4.7098 mL
10 mM	0.2355 mL	1.1774 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.

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.

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