
Product Data Sheet

Product Name: Dirocaftor

Cat. No.: GC64121

Chemical Properties

Cas. No. 2137932-23-9

Formula C₂₂H₂₈N₂O₃Si₂

M.Wt

424.64

Solubility

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Dirocaftor (PTI-808) is a CFTR potentiator that enhances the function of CFTR protein by opening chloride channels. Dirocaftor can be used for cystic fibrosis (CF) research[1][2].

When combined with Nesolicaftor and Posenacaftor, Dirocaftor can restore CFTR function to nearly normal levels[2].

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

[2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA