

PF04677490

Chemical Properties

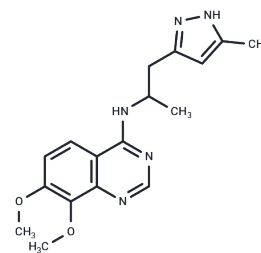
CAS No. : 1628342-10-8

Formula: C17H21N5O2

Molecular Weight: 327.38

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	PF04677490 is an effective PDE1 inhibitor. PF04677490 efficaciously inhibits cAMP- and cGMP-hydrolytic activity in preparations from human myocardium at concentrations selective for PDE1.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0546 mL	15.2728 mL	30.5455 mL
5 mM	0.6109 mL	3.0546 mL	6.1091 mL
10 mM	0.3055 mL	1.5273 mL	3.0546 mL
50 mM	0.0611 mL	0.3055 mL	0.6109 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

Discovery of Potent and Selective Periphery-Restricted Quinazoline Inhibitors of the Cyclic Nucleotide Phosphodiesterase PDE1 John M. Humphrey, Matthew Movsesian, Christopher W. am Ende, Stacey L. Becker, Thomas A. Chappie, Stephen Jenkinson, Jennifer L. Liras, Spiros Liras, Christine Orozco, Jayvardhan Pandit, Felix F. Vajdos, Fabrice Vandeput, Eddie Yang, and Frank S. Menniti Publication Date (Web): May 2, 2018 (Brief Article) doi: 10.1021/acs.jmedchem.8b00374

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481