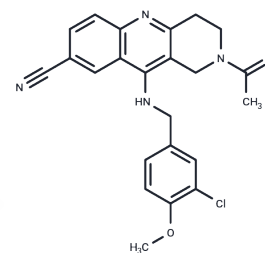


PDE5-IN-6c

Chemical Properties

CAS No. :	1448419-13-3
Formula:	C ₂₃ H ₂₁ ClN ₄ O ₂
Molecular Weight:	420.89
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	PDE5-IN-6c is a potent and selective inhibitor of PDE5A1.
Targets(IC50)	Others,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3759 mL	11.8796 mL	23.7592 mL
5 mM	0.4752 mL	2.3759 mL	4.7518 mL
10 mM	0.2376 mL	1.188 mL	2.3759 mL
50 mM	0.0475 mL	0.2376 mL	0.4752 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

- Fiorito J, Vendome J, Saeed F, Staniszewski A, Zhang H, Yan S, Deng SX, Arancio O, Landry DW. Identification of a Novel 1,2,3,4-Tetrahydrobenzo[b][1,6]naphthyridine Analogue as a Potent Phosphodiesterase 5 Inhibitor with Improved Aqueous Solubility for the Treatment of Alzheimer's Disease. *J Med Chem.* 2017 Nov 9;60(21):8858-8875. doi: 10.1021/acs.jmedchem.7b00979. Epub 2017 Oct 23. PubMed PMID: 28985058.
- Sasseville M, Côté N, Gagnon MC, Richard FJ. Up-regulation of 3'5'-cyclic guanosine monophosphate-specific phosphodiesterase in the porcine cumulus-oocyte complex affects steroidogenesis during in vitro maturation. *Endocrinology.* 2008 Nov;149(11):5568-76. doi: 10.1210/en.2008-0547. Epub 2008 Jul 31. PubMed PMID: 18669600.
- Kim DK, Lee N, Lee JY, Ryu DH, Kim JS, Lee SH, Choi JY, Chang K, Kim YW, Im GJ, Choi WS, Kim TK, Ryu JH, Kim NH, Lee K. Synthesis and phosphodiesterase 5 inhibitory activity of novel phenyl ring modified sildenafil analogues. *Bioorg Med Chem.* 2001 Jun;9(6):1609-16. PubMed PMID: 11408180.

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