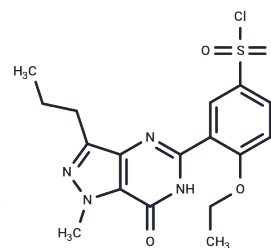


Sildenafil Chlorosulfonyl

Chemical Properties

CAS No. :	139756-22-2
Formula:	C ₁₇ H ₁₉ ClN ₄ O ₄ S
Molecular Weight:	410.88
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	Sildenafil chlorosulfonyl is a synthetic intermediate in the synthesis of the phosphodiesterase 5 (PDE5) inhibitor sildenafil. It is also a potential impurity found in commercial preparations of sildenafil.
Targets(IC50)	Others,PDE

Solubility Information

Solubility	DMSO: Slightly soluble Chloroform: 1 mg/mL (2.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4338 mL	12.169 mL	24.338 mL
5 mM	0.4868 mL	2.4338 mL	4.8676 mL
10 mM	0.2434 mL	1.2169 mL	2.4338 mL
50 mM	0.0487 mL	0.2434 mL	0.4868 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

Nagaraju, V., Sreenath, D., Rao, J.T., et al. Separation and determination of synthetic impurities of sildenafil (Viagra) by reversed-phase high-performance liquid chromatography. *Anal. Sci.* 19(7)1007-1011(2003)

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