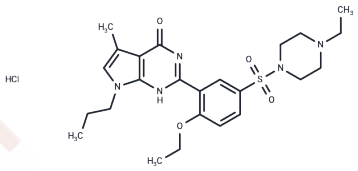
Data Sheet (Cat.No.T29194)

TargetMol

Yonkenafil HCl

Chemical Properties



CAS No. : 804519-64-0

Formula: C24H34ClN5O4S

Molecular Weight: 524.08

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	Yonkenafil HCl, a PDE5 inhibitor, is used potentially for the treatment of erectile dysfunction.
Targets(IC50)	Others,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9081 mL	9.5405 mL	19.0811 mL
5 mM	0.3816 mL	1.9081 mL	3.8162 mL
10 mM	0.1908 mL	0.9541 mL	1.9081 mL
50 mM	0.0382 mL	0.1908 mL	0.3816 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

Zhao S, Yang J, Wang L, Peng S, Yin J, Jia L, Yang X, Yuan Z, Wu C. NF-κB Upregulates Type 5 Phosphodiesterase in N9 Microglial Cells: Inhibition by Sildenafil and Yonkenafil. Mol Neurobiol. 2016 May;53(4):2647-58. doi: 10.1007/s12035-015-9293-0. PubMed PMID: 26108184.

Sun H, Wang J, Sun Y, Peng W, Sun L, Yang Y, Gu J. Rapid and sensitive liquid chromatography with tandem mass spectrometry method for the simultaneous quantification of yonkenafil and its major metabolites in rat plasma. J Sep Sci. 2016 Oct;39(19):3700-3708. doi: 10.1002/jssc.201600445. PubMed PMID: 27601197.

Chen X, Wang N, Liu Y, Liu Y, Zhang T, Zhu L, Wang Y, Wu C, Yang J. Yonkenafil: a novel phosphodiesterase type 5 inhibitor induces neuronal network potentiation by a cGMP-dependent Nogo-R axis in acute experimental stroke. Exp Neurol. 2014 Nov;261:267-77. doi: 10.1016/j.expneurol.2014.07.007. PubMed PMID: 25064698.

Zhu L, Yang JY, Xue X, Dong YX, Liu Y, Miao FR, Wang YF, Xue H, Wu CF. A novel phosphodiesterase-5 Inhibitor: Yonkenafil modulates neurogenesis, gliosis to improve cognitive function and ameliorates amyloid burden in an APP/PS1 transgenic mice model. Mech Ageing Dev. 2015 Sep;150:34-45. doi: 10.1016/j.mad.2015.07.002. PubMed PMID: 26200391.