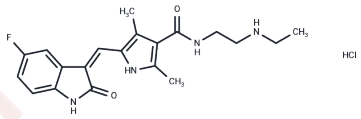
Data Sheet (Cat.No.T74127)

TargetMol

N-Desethyl Sunitinib hydrochloride

Chemical Properties



CAS No. :

Formula: C20H24ClFN4O2

Molecular Weight: 406.89

Storage: Store at low temperature
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	N-Desethyl Sunitinib hydrochloride (SU-12662 hydrochloride) is an active metabolite of Sunitinib with potential anti-cancer activity for the study of cancer.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	DMSO: 40 mg/mL (98.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.92 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4577 mL	12.2883 mL	24.5767 mL
5 mM	0.4915 mL	2.4577 mL	4.9153 mL
10 mM	0.2458 mL	1.2288 mL	2.4577 mL
50 mM	0.0492 mL	0.2458 mL	0.4915 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

Budak, Fatma, et al. Investigations on the electrochemical behavior of sunitinib and metabolites N-desethyl-sunitinib and sunitinib-N-oxide and its selective determination using molecularly imprinted polymer-based sensor. Electrochimica Acta 472 (2023): 143434.

Rodamer M, et al. Development and validation of a liquid chromatography/tandem mass spectrometry procedure for the quantification of sunitinib (SU11248) and its active metabolite, N-desethyl sunitinib (SU12662), in human plasma: application to an explorative study. J Chromatogr B Analyt Technol Biomed Life Sci. 2011 Apr 1;879(11-12):695-706.

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