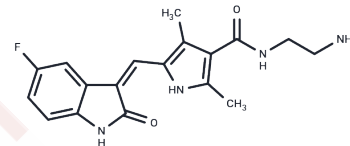


N,N-Didesethyl Sunitinib

Chemical Properties

CAS No. :	873077-70-4
Formula:	C ₁₈ H ₁₉ FN ₄ O ₂
Molecular Weight:	342.37
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	N,N-Didesethyl Sunitinib is a potent AMPK inhibitor with IC ₅₀ of 393 nM and 141 nM for AMPK α 1 and AMPK α 2, respectively.
Targets(IC ₅₀)	AMPK

Solubility Information

Solubility	DMSO: 4.5 mg/mL (13.14 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	2.9208 mL	14.6041 mL	29.2082 mL
5 mM	0.5842 mL	2.9208 mL	5.8416 mL
10 mM	0.2921 mL	1.4604 mL	2.9208 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 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

Matheson CJ, et al. Substituted oxindol-3-ylidenes as AMP-activated protein kinase (AMPK) inhibitors. Eur J Med Chem. 2020 Jul 1;197:112316.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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