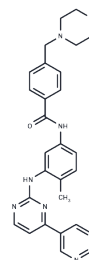


N-Desmethyl imatinib

Chemical Properties

CAS No. :	404844-02-6
Formula:	C ₂₈ H ₂₉ N ₇ O
Molecular Weight:	479.58
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-Desmethyl imatinib (Imatinib metabolite N-Desmethyl imatinib) is a metabolite of Imatinib, which is a multi-target inhibitor of c-Kit, v-Abl, and PDGFR.
Targets(IC50)	Bcr-Abl,PDGFR,c-Kit,Drug Metabolite

Solubility Information

Solubility	DMSO: 99 mg/mL (206.43 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	2.0852 mL	10.4258 mL	20.8516 mL
5 mM	0.417 mL	2.0852 mL	4.1703 mL
10 mM	0.2085 mL	1.0426 mL	2.0852 mL
50 mM	0.0417 mL	0.2085 mL	0.417 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.

Reference

Darweesh RS, et al. The effect of grape seed and green tea extracts on the pharmacokinetics of imatinib and its main metabolite, N-desmethyl imatinib, in rats. BMC Pharmacol Toxicol. 2020 Nov 16;21(1):77.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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