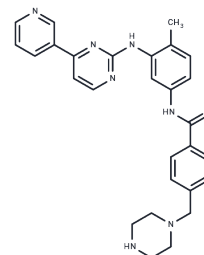


## N-Desmethyl imatinib

## Chemical Properties

CAS No. :	404844-02-6
Formula:	C <sub>28</sub> H <sub>29</sub> N <sub>7</sub> O
Molecular Weight:	479.58
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-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,c-Kit,Drug Metabolite,PDGFR

## Solubility Information

Solubility	DMSO: 99 mg/mL (206.43 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: 3.3 mg/mL (6.88 mM),Sonication is recommended. <i>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.</i>

## 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.

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

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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481