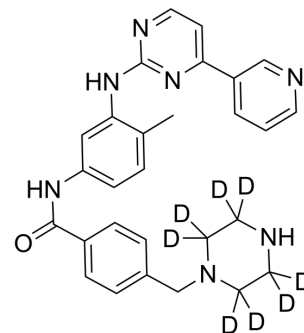


## N-Desmethyl imatinib-d<sub>8</sub>

<b>Cat. No.:</b>	HY-G0017S		
<b>CAS No.:</b>	1185103-28-9		
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>21</sub> D <sub>8</sub> N <sub>7</sub> O		
<b>Molecular Weight:</b>	487.63		
<b>Target:</b>	Drug Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (205.07 mM; Need ultrasonic)  
 DMSO : 100 mg/mL (205.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0507 mL	10.2537 mL	20.5074 mL
	5 mM	0.4101 mL	2.0507 mL	4.1015 mL
	10 mM	0.2051 mL	1.0254 mL	2.0507 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 1.25 mg/mL (2.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 1.25 mg/mL (2.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 1.25 mg/mL (2.56 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

N-Desmethyl imatinib-d<sub>8</sub> is a deuterium labeled Imatinib metabolite N-Desmethyl Imatinib.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA