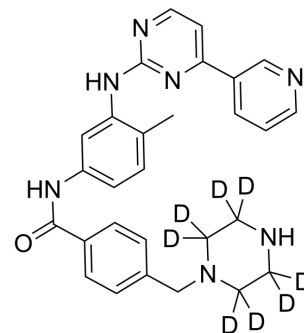


N-Desmethyl imatinib-d₈

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (102.54 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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-d₈ is a deuterium labeled Imatinib metabolite N-Desmethyl Imatinib.

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

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