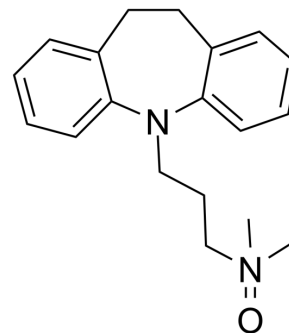


Imipramine N-oxide

Cat. No.:	HY-142122		
CAS No.:	6829-98-7		
Molecular Formula:	C ₁₉ H ₂₄ N ₂ O		
Molecular Weight:	296.41		
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 : 100 mg/mL (337.37 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	3.3737 mL	16.8685 mL	33.7371 mL
	5 mM	0.6747 mL	3.3737 mL	6.7474 mL
	10 mM	0.3374 mL	1.6869 mL	3.3737 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Imipramine N-oxide is the metabolite of Imipramine. Imipramine is a tertiary amine tricyclic antidepressant ^{[1][2]} .
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REFERENCES

[1]. Bickel MH, et al. Metabolic interconversions between imipramine, its N-oxide, and its desmethyl derivative in rat tissues in vitro. *Biochem Biophys Res Commun.* 1968;33(6):1012-1018.

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

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