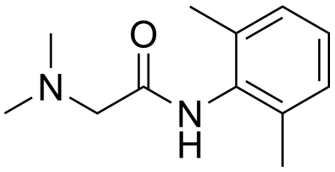
W36017

Cat. No.:	HY-145482
CAS No.:	21236-54-4
Molecular Formula:	$C_{12}H_{18}N_2O$
Molecular Weight:	206.28
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (484.78 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.8478 mL	24.2389 mL	48.4778 mL
	5 mM	0.9696 mL	4.8478 mL	9.6956 mL
	10 mM	0.4848 mL	2.4239 mL	4.8478 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (12.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

W3601 is the impurity of Lidocaine. W3601 exhibits nerve blocking activity with the pK_a of 7.4[1].

REFERENCES

[1]. J A Wildsmith, et al. Differential nerve blockade: esters v. amides and the influence of pKa. Br J Anaesth. 1987 Mar;59(3):379-84.

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

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