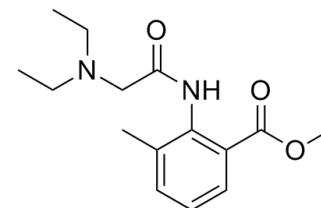


Tolycaine

Cat. No.:	HY-105584		
CAS No.:	3686-58-6		
Molecular Formula:	C ₁₅ H ₂₂ N ₂ O ₃		
Molecular Weight:	278.35		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-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 (359.26 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.5926 mL	17.9630 mL	35.9260 mL
	5 mM	0.7185 mL	3.5926 mL	7.1852 mL
	10 mM	0.3593 mL	1.7963 mL	3.5926 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: ≥ 2.58 mg/mL (9.27 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.58 mg/mL (9.27 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.58 mg/mL (9.27 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tolycaine is a local anaesthetic agent.

REFERENCES

[1]. Satoh T, et al. Pharmacological analysis of local anaesthetic tolycaine-induced convulsions by modification of monoamines in rat brain. Pharmacol Toxicol. 1996 Dec;79(6):305-11.

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

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