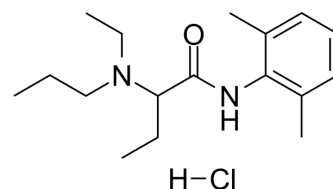


Etidocaine hydrochloride

Cat. No.:	HY-B2080A		
CAS No.:	36637-19-1		
Molecular Formula:	C ₁₇ H ₂₉ ClN ₂ O		
Molecular Weight:	312.88		
Target:	Others		
Pathway:	Others		
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 : 62.5 mg/mL (199.76 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1961 mL	15.9806 mL	31.9611 mL
	5 mM	0.6392 mL	3.1961 mL	6.3922 mL
	10 mM	0.3196 mL	1.5981 mL	3.1961 mL

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

BIOLOGICAL ACTIVITY

Description

Etidocaine (hydrochloride) is a long aminoamide local anesthetic^[1].

In Vitro

IGL-EDC formulations can induce a significant increase in human fibroblasts survival^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay

Cell Line:	Human fibroblasts cells
Concentration:	0, 4, 8, 16, 24 mM
Incubation Time:	4, 6 and 24 h
Result:	Showed that cell survival decreased in a (EDC) concentration with time-dependent manner.

In Vivo

Etidocaine (spinal injection, 0.0075%, once) does not show postinjection neurologic deficit^[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Adult Swiss Webster male mice ^[2]
Dosage:	0.0075%
Administration:	Etidocaine (spinal injection, 0.0075%, once)
Result:	Did not show postinjection neurologic deficit.

REFERENCES

[1]. Oliveira, et al. Sustained Release from Ionic-Gradient Liposomes Significantly Decreases ETIDOCAINE Cytotoxicity. Pharmaceutical research vol. 35, 12 229. 10 Oct. 2018.

[2]. Langerman, L, et al. The partition coefficient as a predictor of local anesthetic potency for spinal anesthesia: evaluation of five local anesthetics in a mouse model. Anesthesia and analgesia vol. 79,3 (1994): 490-4.

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

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