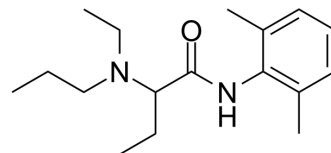


Etidocaine

Cat. No.:	HY-B2080
CAS No.:	36637-18-0
Molecular Formula:	C ₁₇ H ₂₈ N ₂ O
Molecular Weight:	276.42
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Etidocaine (EDC) 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 ^[1]
	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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