

Deltorpin II (trifluoroacetate salt) Biochemical

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CATALOG #
AAA227199

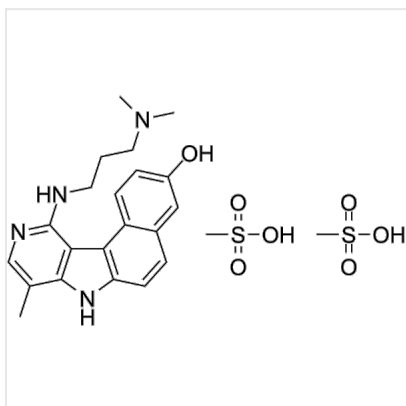
PRODUCT SYNONYMS

Deltorpin II (trifluoroacetate salt); RP 60475 dimesylate; Deltorpin II (trifluoroacetate salt) biochemical

PRODUCT SPECIFICATIONS

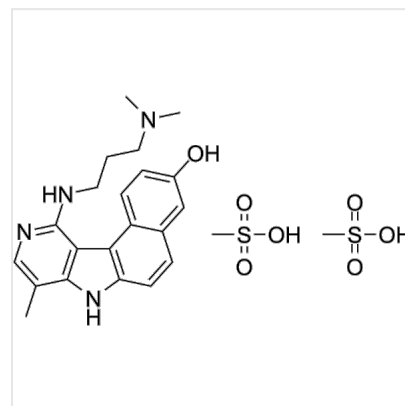
Purity/Purification	98%
Solubility	DMSO: 1 mg/mL
	DMF:PBS (pH 7.2)(1:5): 0.16 mg/mL
	Ethanol: Slightly soluble
	DMF: 15 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Intopicine dimesylate, CAS 133711-99-6



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ADDITIONAL INFORMATION

Related Product Information for Deltorpin II (trifluoroacetate salt) biochemical

Deltorpin II is a peptide agonist of delta2-opioid receptors.^{1,2}It is selective for delta-opioid receptors over u- and kappa-opioid receptors in radioligand bindings assays ($K_{is} = 0.0033, 1, \text{ and } 1 \text{ uM}$, respectively) and induces $[35S]GTP\gamma S$ binding in mouse brain membrane preparations ($EC_{50} = 0.034 \text{ uM}$). Deltorpin II (0.12 mg/kg) decreases the infarction zone:risk zone ratio in a rat model of myocardial ischemia-reperfusion injury induced by coronary occlusion, an effect that can be reversed by the delta2-opioid receptor antagonist naltriben but not the delta1-opioid receptor antagonist BNTX.³Intrathecal administration of deltorphin II (15 ug/animal) increases latency to withdraw in the paw pressure and tail-flick tests in rats.⁴

References

1. Riou JF, et al. Intoplicine (RP 60475) and its derivatives, a new class of antitumor agents inhibiting both topoisomerase I and II activities. *Cancer Res.* 1993;53(24):5987-5993.
2. Eckardt JR, et al. Activity of intoplicine (RP60475), a new DNA topoisomerase I and II inhibitor, against human tumor colony-forming units in vitro. *J Natl Cancer Inst.* 1994;86(1):30-33.
3. Bissery MC, et al. Antitumor activity of intoplicine (RP 60475, NSC 645008), a new benzo-pyrido-indole: evaluation against solid tumors and leukemias in mice. *Invest New Drugs.* 1993;11(4):263-277.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/deltorphan-ii-trifluoroacetate-salt/227199>