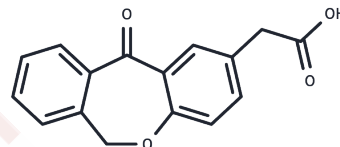


Isoxepac

Chemical Properties

CAS No. :	55453-87-7
Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Isoxepac (Olopatadine USP Related Compound C) is a non-steroidal anti-inflammatory agent and analgesic.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 45 mg/mL (167.75 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.46 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7277 mL	18.6386 mL	37.2773 mL
5 mM	0.7455 mL	3.7277 mL	7.4555 mL
10 mM	0.3728 mL	1.8639 mL	3.7277 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Han YC, Zhang YD, Jia Q, Cui J, Zhang C. Hypervalent-Iodine-Mediated Ring-Contraction Monofluorination Affording Monofluorinated Five-Membered Ring-Fused Oxazolines. *Org Lett.* 2017 Oct 6;19(19):5300-5303. doi: 10.1021/acs.orglett.7b02479. Epub 2017 Sep 19. PubMed PMID: 28926269.
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- Sidelmann UG, Lenz EM, Spraul M, Hofmann M, Troke J, Sanderson PN, Lindon JC, Wilson ID, Nicholson JK. 750 MHz HPLC-NMR spectroscopic studies on the separation and characterization of the positional isomers of the glucuronides of 6,11-dihydro-11-oxodibenz[b,e]oxepin-2-acetic acid. *Anal Chem.* 1996 Jan 1;68(1):106-10. PubMed PMID: 8779427.
- Mitchell H, Barraclough D, Muirden KD. Blood-loss studies for new non-steroidal anti-inflammatory drugs. *Med J Aust.* 1982 Apr 17;1(8):328. PubMed PMID: 6979672.

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