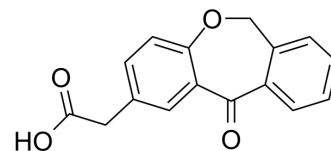


Isoxepac

Cat. No.:	HY-W050088
CAS No.:	55453-87-7
Molecular Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
Target:	Others
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (372.77 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.32 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.32 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.32 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Isoxepac (HP 549) is a nonsteroidal anti-inflammatory agent (NSAID) with anti-inflammatory, analgesic and antipyretic activity. Isoxepac has been studied in rat, rabbit, dog, rhesus monkey, etc ^{[1][2][3]} .
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REFERENCES

[1]. L S Gerlis, et al. Isoxepac in rheumatoid arthritis: a double-blind comparison with aspirin. Rheumatol Rehabil. 1981 Feb 1;20(1):50-3.

[2]. W J Honig, et al. Analgesic effect of isoxepac on postmeniscectomy pain: a controlled trial. J Clin Pharmacol. Feb-Mar 1982;22(2-3):82-8.

[3]. H P Illing, et al. Species differences in the disposition and metabolism of 6,11-dihydro-11-oxodibenz[be]oxepin-2-acetic acid (isoxepac) in rat, rabbit, dog, rhesus monkey, and man. Drug Metab Dispos. Sep-Oct 1978;6(5):510-7.

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

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