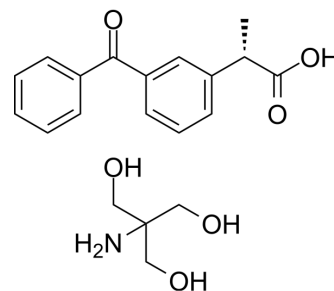


Dexketoprofen (trometamol)

Cat. No.:	HY-B0714
CAS No.:	156604-79-4
Molecular Formula:	C ₂₀ H ₂₅ NO ₆
Molecular Weight:	375.42
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (266.37 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6637 mL	13.3184 mL	26.6368 mL
		5 mM	0.5327 mL	2.6637 mL	5.3274 mL
10 mM		0.2664 mL	1.3318 mL	2.6637 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.66 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.66 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.66 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Dexketoprofen trometamol (Dexketoprofen tromethamine salt) is an orally active non-selective COX inhibitor. Dexketoprofen trometamol has a pain-relieving effect ^[1] .
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REFERENCES

[1]. Magdi Hanna, et al. A review of dexketoprofen trometamol in acute pain. *Curr Med Res Opin.* 2019 Feb;35(2):189-202.

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

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