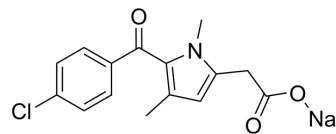


Zomepirac sodium salt

Cat. No.:	HY-B0890
CAS No.:	64092-48-4
Molecular Formula:	C ₁₅ H ₁₃ ClNNaO ₃
Molecular Weight:	313.71
Target:	PGE synthase
Pathway:	Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (318.77 mM; Need ultrasonic)					
	H ₂ O : 5 mg/mL (15.94 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.1877 mL	15.9383 mL	31.8766 mL
5 mM			0.6375 mL	3.1877 mL	6.3753 mL	
	10 mM		0.3188 mL	1.5938 mL	3.1877 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 8.33 mg/mL (26.55 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.97 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.63 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Zomepirac sodium salt (McN-2783-21-98) is a potent prostaglandin biosynthesis inhibitor. Zomepirac sodium salt is a non-steroidal anti-inflammatory drug (NSAID). Zomepirac sodium salt can cause immune-mediated liver injury ^{[1][2]} .
--------------------	--

REFERENCES

[1]. Min Wang, et al. Hepatic covalent adduct formation with zomepirac in the CD26-deficient mouse. J Gastroenterol Hepatol. 2002 Jan;17(1):66-71.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA