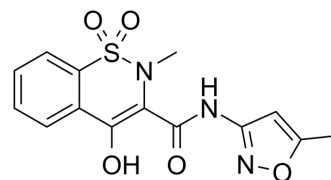


Isoxicam

Cat. No.:	HY-B1130		
CAS No.:	34552-84-6		
Molecular Formula:	C ₁₄ H ₁₃ N ₃ O ₅ S		
Molecular Weight:	335.34		
Target:	COX		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (14.91 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9820 mL	14.9102 mL	29.8205 mL
	5 mM	0.5964 mL	2.9820 mL	5.9641 mL
	10 mM	0.2982 mL	1.4910 mL	2.9820 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Isoxicam is an orally active, long-acting, non-steroidal anti-inflammatory agent for the research of arthritis^[1]. Isoxicam is a nonselective inhibitor of COX-1 and COX-2^[2].

IC₅₀ & Target

COX-1	COX-2
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REFERENCES

[1]. DiPasquale G, et al. The antiinflammatory properties of isoxicam (4-hydroxy-2methyl-N-(5-methyl-3isoxazolyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide). Agents Actions. 1975 Aug;5(3):256-63.

[2]. Xu S, et al. Oxicams bind in a novel mode to the cyclooxygenase active site via a two-water-mediated H-bonding Network. J Biol Chem. 2014 Mar 7;289(10):6799-808.

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

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