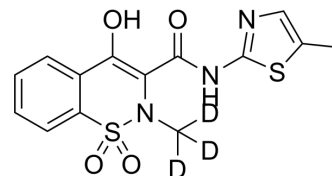


Meloxicam-d₃

Cat. No.:	HY-B0261S
CAS No.:	942047-63-4
Molecular Formula:	C ₁₄ H ₁₀ D ₃ N ₃ O ₄ S ₂
Molecular Weight:	354.42
Target:	COX; Autophagy; Apoptosis
Pathway:	Immunology/Inflammation; Autophagy; Apoptosis
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 20 mg/mL (56.43 mM)
 DMF : ≥ 20 mg/mL (56.43 mM)
 DMSO:PBS (pH 7.2) (1:1) : ≥ 0.5 mg/mL (1.41 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8215 mL	14.1076 mL	28.2151 mL
	5 mM	0.5643 mL	2.8215 mL	5.6430 mL
	10 mM	0.2822 mL	1.4108 mL	2.8215 mL

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

BIOLOGICAL ACTIVITY

Description

Meloxicam-d₃ is deuterium labeled Meloxicam. Meloxicam is a non-steroidal antiinflammatory agent, inhibits COX activity, with IC₅₀s of 0.49 μM and 36.6 μM for COX-2 and COX-1, respectively[1].

REFERENCES

[1]. Lazer ES, et al. Effect of structural modification of enol-carboxamide-type nonsteroidal antiinflammatory drugs on COX-2/COX-1 selectivity. J Med Chem. 1997 Mar 14;40(6):980-9.

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