

Product Datasheet

Flunixin meglumin (orb1225075)

Catalog Number	orb1225075
Category	Small Molecules
Description	Flunixin Meglumin is a potent inhibitor of the enzyme cyclooxygenase used as analgesic agent with anti-inflammatory and antipyretic activity.(In Vitro):flunixin meglumine (10-1000 µM, 2 h) inhibits lipopolysaccharide (LPS)-induced activity of inducible nitric oxide synthase (iNOS) in RAW 264.7 murine macrophages.flunixin meglumine (10-1000 µM, 2 h) inhibits lipopolysaccharide-induced activation of nuclear factor kappa B (NfκB) in RAW 264.7 murine macrophages.(In Vivo):Flunixin meglumine (intravenous injection; 1.1 mg/kg; once) treatment inhibits the formation of exudate PGE2 and serum TXB2.
Target	COX
Purity	>98% (HPLC)
MW	491.46
Target Areas	COX-1 COX-2
Solubility (25°C)	Ethanol: 8 mg/mL (16.27 mM); Water: 98 mg/mL (199.4 mM); DMSO: 98 mg/mL (199.4 mM)
CAS Number	42461-84-7
Formula	C ₂₁ H ₂₈ F ₃ N ₃ O ₇
SMILES	<chem>O=C(C1=CC=CN=C1NC2=CC=CC(C(F)(F)F)=C2C)O.O.[C@H]([C@H]([C@@H]([C@@H](CO)O)O)O)CNC</chem>
Chemical Name	(2R,3R,4R,5S)-6-(methylanino)hexane-1,2,3,4,5-pentaol 2-((2-methyl-3-(trifluoromethyl)phenyl)amino)nicotinate
Storage	Storage temperature: -20°C. Stability: ≥ 2 years

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Note	For research use only
Expiration Date	12 months from date of receipt.

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