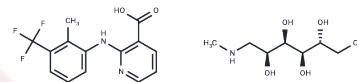


Flunixin meglumine

Chemical Properties

CAS No. :	42461-84-7
Formula:	C ₂₁ H ₂₈ F ₃ N ₃ O ₇
Molecular Weight:	491.46
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Flunixin meglumine (Banamine) is an effective inhibitor of the enzyme cyclooxygenase with anti-inflammatory and antipyretic activity.
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 50 mg/mL (101.74 mM), Sonication is recommended. H ₂ O: 90 mg/mL (183.13 mM), Sonication is recommended. Ethanol: 8 mg/mL (16.28 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0348 mL	10.1738 mL	20.3475 mL
5 mM	0.407 mL	2.0348 mL	4.0695 mL
10 mM	0.2035 mL	1.0174 mL	2.0348 mL
50 mM	0.0407 mL	0.2035 mL	0.407 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Duz M, et al. Am J Vet Res. 2015 Mar;76(3):208-15.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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