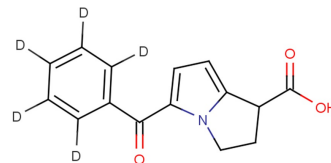


Ketorolac D5

Chemical Properties

CAS No.:	1215767-66-0
Formula:	C ₁₅ H ₈ D ₅ NO ₃
Molecular Weight:	260.3
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Ketorolac D5 is a deuterium labeled Ketorolac. Ketorolac is a non-steroidal anti-inflammatory agent, acting as a nonselective COX inhibitor, with IC ₅₀ s of 20 nM for COX-1 and 120 nM for COX-2.
Targets(IC ₅₀)	COX-1: 20 nM COX-2: 120 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.842 mL	19.209 mL	38.417 mL
5 mM	0.768 mL	3.842 mL	7.683 mL
10 mM	0.384 mL	1.921 mL	3.842 mL
50 mM	0.077 mL	0.384 mL	0.768 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Waterbury LD, et al. Comparison of cyclooxygenase inhibitory activity and ocular anti-inflammatory effects of ketorolac tromethamine and bromfenac sodium. Curr Med Res Opin. 2006 Jun;22(6):1133-40.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481