Data Sheet (Cat.No.T17036)



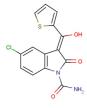
Tenidap

Chemical Properties

CAS No.: 120210-48-2 Formula: C14H9CIN2O3S

Molecular Weight: 320.75
Appearance: N/A

Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Tenidap is a non-steroidal anti-inflammatory drug and is a selective COX-1 inhibitor (IC50: $0.03~\mu M$ and $1.2~\mu M$ for COX-1 and COX-2, respectively). Tenidap is also a specific SLC26A3 inhibitor.
Targets(IC ₅₀)	COX-1: 0.03 μM COX-2: 1.2 μM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.118 mL	15.588 mL	31.177 mL
5 mM	0.624 mL	3.118 mL	6.235 mL
10 mM	0.312 mL	1.559 mL	3.118 mL
50 mM	0.062 mL	0.312 mL	0.624 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

2. Blackburn WD Jr, et al. Tenidap in rheumatoid arthritis. A 24-week double-blind comparison with hydroxychloroquine-plus-piroxicam, and piroxicam alone. Arthritis Rheum. 1995 Oct;38(10):1447-56.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street, Wellesley Hills, MA 02481

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