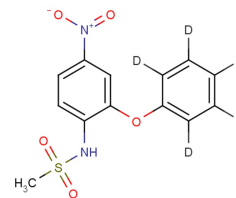


Nimesulide D5

Chemical Properties

CAS No.:	1330180-22-7
Formula:	C ₁₃ H ₇ D ₅ N ₂ O ₅ S
Molecular Weight:	313.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nimesulide D5 is a deuterium labeled Nimesulide. Nimesulide is a selective inhibitor OF COX-2 (IC ₅₀ s of 70 nM-70 µM)
Targets(IC ₅₀)	COX-2: 0.07-70 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	3.191 mL	15.957 mL	31.914 mL
5 mM	0.638 mL	3.191 mL	6.383 mL
10 mM	0.319 mL	1.596 mL	3.191 mL
50 mM	0.064 mL	0.319 mL	0.638 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. Vago T, et al. Effect of nimesulide action time dependence on selectivity towards prostaglandin G/H synthase/cyclooxygenase activity. *Arzneimittelforschung*. 1995 Oct;45(10):1096-8.
2. Werner MF, et al. Nimesulide-induced antipyresis in rats involves both cyclooxygenase-dependent and independent mechanisms. *Eur J Pharmacol*. 2006 Aug 14;543(1-3):181-9.

Inhibitors · Natural Compounds · Compound Libraries

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