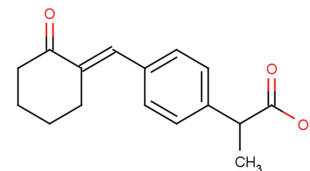


Pelubiprofen

Chemical Properties

CAS No.:	69956-77-0
Formula:	C ₁₆ H ₁₈ O ₃
Molecular Weight:	258.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Pelubiprofen inhibits COX activity and the transforming growth factor- β activated kinase 1-I κ B kinase β -NF- κ B pathway. It also has significant anti-inflammatory and analgesic effects. Pelubiprofen is an orally active and non-steroidal anti-inflammatory drug and is a member of the 2-arylpropionic acid family and has relatively selective effects on COX-2 activity .
Targets(IC ₅₀)	COX-2: None

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	3.871 mL	19.357 mL	38.713 mL
5 mM	0.774 mL	3.871 mL	7.743 mL
10 mM	0.387 mL	1.936 mL	3.871 mL
50 mM	0.077 mL	0.387 mL	0.774 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. Choi IA, Baek HJ, et al. Comparison of the efficacy and safety profiles of a pelubiprofen versus celecoxib in patients with rheumatoid arthritis: a 6-week, multicenter, randomized, double-blind, phase III, non-inferiority clinical trial. BMC Musculoskelet Disord. 2014 Nov 18;15:375.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481