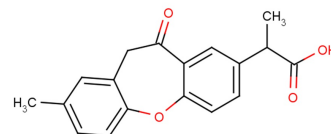


Bermoprofen

Chemical Properties

CAS No.:	78499-27-1
Formula:	C ₁₈ H ₁₆ O ₄
Molecular Weight:	296.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Bermoprofen (AD-1590) is an orally active non-steroidal anti-inflammatory agent and is a potent antagonist of LPS-induced fever in rabbits[1][2]. Bermoprofen has potent antipyretic and analgesic activities with a short biological half-life.
Targets(IC ₅₀)	Others: None
In vitro	Bermoprofen (AD-1590) shows ulcerogenic activity as a side-effect like other nonsteroidal anti-inflammatory agents[1].
In vivo	Bermoprofen (AD-1590) (0.04-0.1 mg/kg; p.o.) shows a dose-related antipyretic activity in LPS-induced febrile rabbits[2].

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	3.375 mL	16.874 mL	33.747 mL
5 mM	0.675 mL	3.375 mL	6.749 mL
10 mM	0.337 mL	1.687 mL	3.375 mL
50 mM	0.067 mL	0.337 mL	0.675 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. Mori M, et al. Prolongation of antipyretic action and reduction of gastric ulcerogenicity in the rat by controlled-release granules of bermoprofen, a new nonsteroidal anti-inflammatory drug. J Pharm Sci. 1991 Sep;80(9):876-80.
2. Nakamura H, et al. AD-1590, a potent antagonist of lipopolysaccharide-induced fever in rabbits. J Pharm Pharmacol. 1984 Mar;36(3):182-6.

Inhibitors · Natural Compounds · Compound Libraries

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