
Product Data Sheet

Product Name: Bermoprofen

Cat. No.: GC64075

Chemical Properties

Cas. No. 78499-27-1

Formula C₁₈H₁₆O₄

M.Wt 296.32

Solubility DMSO : 100 mg/mL (337.47 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Bermoprofen (AD-1590) is an orally active non-steroidal anti-inflammatory agent. Bermoprofen has potent antipyretic activities with a short biological half-life. Bermoprofen is a potent antagonist of LPS-induced fever in rabbits[1][2].

Bermoprofen (AD-1590) shows ulcerogenic activity as a side-effect like other nonsteroidal anti-inflammatory agents[1].

Bermoprofen (AD-1590) (0.04-0.1 mg/kg; p.o.) shows a dose-related antipyretic activity in LPS-induced febrile rabbits[2].

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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