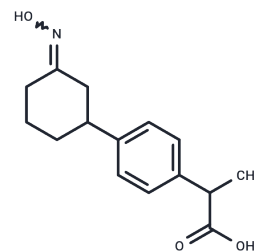


Ximoprofen

Chemical Properties

CAS No. :	56187-89-4
Formula:	C ₁₅ H ₁₉ NO ₃
Molecular Weight:	261.32
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Ximoprofen is a novel anti-inflammatory compound for the study of spondylitis.
Targets(IC50)	Others,TNF
In vivo	The aim of the study was to evaluate the efficacy of different daily dosages of Ximoprofen in patients with active ankylosing spondylitis. For 2 weeks 5 parallel groups were studied: placebo and Ximoprofen at 5, 10, 20, and 30 mg daily. Response to treatment was defined as an improvement in pain (VAS 100 mm) of at least 50% during the study. At the end of the study, the percentage of responders was higher in the Ximoprofen groups (54%, 41%, 53%, 56% in the 5, 10, 20, and 30 mg groups, respectively) than in the placebo group (21%). The clearest dose-related effect of Ximoprofen observed occurred after one week of treatment. This study 1/ confirms the efficacy of Ximoprofen at a 30 mg daily dosage, 2/ shows the persistence of this efficacy at lower dosages, 3/ suggests that ankylosing spondylitis is a sensitive and relevant human model to assess NSAIDs at an early stage of clinical evaluation.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (191.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8267 mL	19.1336 mL	38.2673 mL
5 mM	0.7653 mL	3.8267 mL	7.6535 mL
10 mM	0.3827 mL	1.9134 mL	3.8267 mL
50 mM	0.0765 mL	0.3827 mL	0.7653 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dougados M, et al. Ximoprofen in ankylosing spondylitis. A double blind placebo controlled dose ranging study. Scand J Rheumatol. 1994;23(5):243-8.

Taylor IW, et al. Pharmacokinetics of the anti-inflammatory drug ximoprofen in healthy young and elderly subjects: comparison with elderly rheumatic patients. Br J Clin Pharmacol. 1991 Aug;32(2):242-5.

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Morris GR, et al. Determination of ximoprofen and its metabolites in human urine by high-performance liquid chromatography with ultraviolet absorbance detection. J Chromatogr. 1990 Sep 14;530(2):377-85.

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