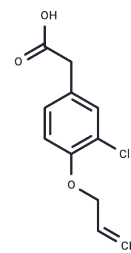


Alclofenac

Chemical Properties

CAS No. :	22131-79-9
Formula:	C ₁₁ H ₁₁ ClO ₃
Molecular Weight:	226.66
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Alclofenac (W-7320) has a significant effect on the acute phase protein response and the degree of L-tryptophan binding to plasma protein and can be used in the treatment of patients with chronic rheumatism.
Targets(IC50)	Others, Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 14 mg/mL (61.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1 mg/mL (4.41 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4119 mL	22.0595 mL	44.1189 mL
5 mM	0.8824 mL	4.4119 mL	8.8238 mL
10 mM	0.4412 mL	2.2059 mL	4.4119 mL
50 mM	0.0882 mL	0.4412 mL	0.8824 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

Knights KM, Winner LK, Elliot DJ, Bowalgaha K, Miners JO. Aldosterone glucuronidation by human liver and kidney microsomes and recombinant UDP-glucuronosyltransferases: inhibition by NSAIDs. *Br J Clin Pharmacol*. 2009 Sep; 68(3):402-12. doi: 10.1111/j.1365-2125.2009.03469.x. PubMed PMID: 19740398; PubMed Central PMCID: PMC2766480.

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