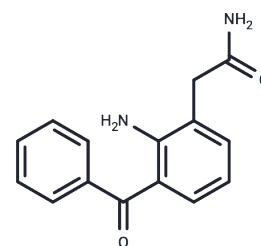


Nepafenac

Chemical Properties

CAS No. :	78281-72-8
Formula:	C ₁₅ H ₁₄ N ₂ O ₂
Molecular Weight:	254.28
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	Nepafenac (AHR 9434) is a Nonsteroidal Anti-inflammatory Drug. The mechanism of action of nepafenac is as a Cyclooxygenase Inhibitor. The chemical classification of nepafenac is Nonsteroidal Anti-inflammatory Compounds.
Targets(IC50)	Endogenous Metabolite, Antibacterial, COX, Prostaglandin Receptor

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 125 mg/mL (491.58 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	3.9327 mL	19.6634 mL	39.3267 mL
5 mM	0.7865 mL	3.9327 mL	7.8653 mL
10 mM	0.3933 mL	1.9663 mL	3.9327 mL
50 mM	0.0787 mL	0.3933 mL	0.7865 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

- Gamache DA, et al. Inflammation, 2000, 24(4), 357-370.
- Kapin MA, et al. Inflammation, 2003, 27(5), 281-291.
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- Takahashi K, et al. Invest Ophthalmol Vis Sci, 2003, 44(1), 409-415.
- Marshall JC, et al. Carcinogenesis, 2007, 28(9), 2053-2058.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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