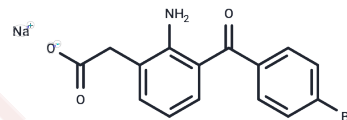


Bromfenac Sodium

Chemical Properties

CAS No. :	91714-93-1
Formula:	C ₁₅ H ₁₁ BrNO ₃ ·Na
Molecular Weight:	356.15
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	Bromfenac Sodium (AHR 10282R) is a nonsteroidal anti-inflammatory drug (NSAID), which has anti-inflammatory activity and may block prostaglandin synthesis by inhibiting cyclooxygenase 1 and 2.
Targets(IC50)	COX

Solubility Information

Solubility	H ₂ O: 247.5 mg/mL (694.93 mM),Sonication is recommended. Ethanol: 2 mg/mL (5.62 mM),Sonication is recommended. DMSO: 55 mg/mL (154.43 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 (2.81 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	2.8078 mL	14.039 mL	28.0781 mL
5 mM	0.5616 mL	2.8078 mL	5.6156 mL
10 mM	0.2808 mL	1.4039 mL	2.8078 mL
50 mM	0.0562 mL	0.2808 mL	0.5616 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

Sancilio LF, et al. Arzneimittelforschung, 1987, 37(5), 513-519.
Kirkman SK, et al. Drug Metab Dispos, 1998, 26(7), 720-723.

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