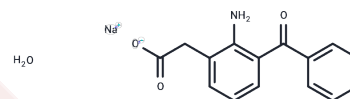


## Amfenac Sodium Hydrate

## Chemical Properties

CAS No. :	61618-27-7
Formula:	C <sub>15</sub> H <sub>12</sub> NO <sub>3</sub> ·H <sub>2</sub> O·Na
Molecular Weight:	295.27
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	Amfenac Sodium Hydrate is a non-steroidal analgesic anti-inflammatory drug with acetic acid moiety.
Targets(IC50)	Others,COX
In vitro	Amfenac significantly inhibited COX-1 (IC50=0.25 μM) and COX-2 (IC50=0.15 μM).
In vivo	Amfenac significantly inhibited COX-1 (IC50=0.25 μM) and COX-2 (IC50=0.15 μM).

## Solubility Information

Solubility	Ethanol: 4 mg/mL (13.55 mM),Sonication is recommended. H2O: 54 mg/mL (182.88 mM),Sonication is recommended. DMSO: 3.85 mg/mL (13.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3867 mL	16.9337 mL	33.8673 mL
5 mM	0.6773 mL	3.3867 mL	6.7735 mL
10 mM	0.3387 mL	1.6934 mL	3.3867 mL
50 mM	0.0677 mL	0.3387 mL	0.6773 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.

Sancilio LF, et al. Agents Actions, 1977, 7(1), 133-144.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481