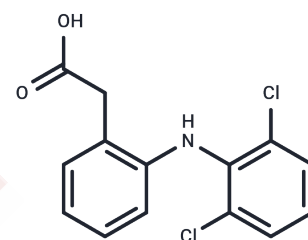


## Diclofenac

## Chemical Properties

CAS No. :	15307-86-5
Formula:	C <sub>14</sub> H <sub>11</sub> Cl <sub>2</sub> NO <sub>2</sub>
Molecular Weight:	296.15
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Diclofenac (Diclofenacum) is a nonsteroidal benzeneacetic acid derivative with anti-inflammatory activity. Diclofenac binds and chelates both isoforms of cyclooxygenase (COX-1 and -2), thereby blocking the conversion of arachidonic acid to pro-inflammatory-prostaglandins.
Targets(IC50)	Apoptosis, COX

## Solubility Information

Solubility	DMSO: 45 mg/mL (151.95 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3767 mL	16.8833 mL	33.7667 mL
5 mM	0.6753 mL	3.3767 mL	6.7533 mL
10 mM	0.3377 mL	1.6883 mL	3.3767 mL
50 mM	0.0675 mL	0.3377 mL	0.6753 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.

## Reference

Prokkola JM, et al. Aquat Toxicol. 2015 Jan;158:116-24.

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: 36 Washington Street, Wellesley Hills, MA 02481