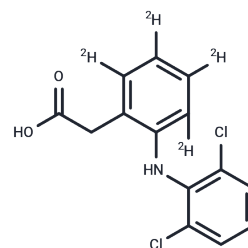


## Diclofenac-D4

## Chemical Properties

CAS No. :	153466-65-0
Formula:	C <sub>14</sub> H <sub>7</sub> D <sub>4</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	300.17
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	Diclofenac-D4 is a deuterated compound of Diclofenac. Diclofenac (T0196) has a CAS number of 15307-86-5. Diclofenac (T0196) is a nonsteroidal benzeneacetic acid derivative with anti-inflammatory activity. Diclofenac (T0196) 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

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3314 mL	16.6572 mL	33.3145 mL
5 mM	0.6663 mL	3.3314 mL	6.6629 mL
10 mM	0.3331 mL	1.6657 mL	3.3314 mL
50 mM	0.0666 mL	0.3331 mL	0.6663 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.

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