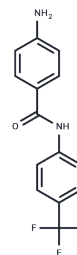


## Teriflunomide impurity 3

## Chemical Properties

CAS No. :	1011244-72-6
Formula:	C <sub>14</sub> H <sub>11</sub> F <sub>3</sub> N <sub>2</sub> O
Molecular Weight:	280.25
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	Teriflunomide impurity 3 (4-Amino-N-(4-trifluoromethylphenyl)benzamide) is a selective COX-1 inhibitor with an IC <sub>50</sub> of 30 μM and exhibits less activity against COX-2 (IC <sub>50</sub> > 100 μM).
Targets(IC <sub>50</sub> )	COX

## Solubility Information

Solubility	DMSO: 250 mg/mL (892.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (11.78 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	3.5682 mL	17.8412 mL	35.6824 mL
5 mM	0.7136 mL	3.5682 mL	7.1365 mL
10 mM	0.3568 mL	1.7841 mL	3.5682 mL
50 mM	0.0714 mL	0.3568 mL	0.7136 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

Hiroki Kakuta, et al. Cyclooxygenase-1-selective inhibitors are attractive candidates for analgesics that do not cause gastric damage. design and in vitro/in vivo evaluation of a benzamide-type cyclooxygenase-1 selective inhibitor. J Med Chem. 2008 Apr 24;51(8):2400-11.

**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