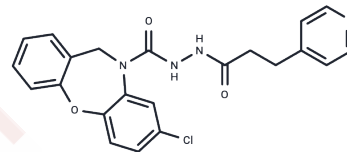


SC 51089 free base

## Chemical Properties

CAS No. : 146033-03-6  
 Formula: C<sub>22</sub>H<sub>19</sub>ClN<sub>4</sub>O<sub>3</sub>  
 Molecular Weight: 422.86  
 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	SC 51089 free base is a selective antagonist of the prostaglandin E2 EP1 receptor, demonstrating neuroprotective activity. It exhibits binding affinities (K <sub>i</sub> s) of 1.3 μM for EP1, 11.2 μM for TP, 17.5 μM for EP3, and 61.1 μM for FP receptors.
Targets(IC50)	Others, Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3648 mL	11.8242 mL	23.6485 mL
5 mM	0.473 mL	2.3648 mL	4.7297 mL
10 mM	0.2365 mL	1.1824 mL	2.3648 mL
50 mM	0.0473 mL	0.2365 mL	0.473 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