

TG6-10-1

Chemical Properties

CAS No. : 1415716-58-3

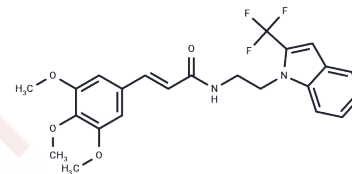
Formula: C₂₃H₂₃F₃N₂O₄

Molecular Weight: 448.43

Store under nitrogen

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	TG6-10-1 is an EP2 antagonist.
Targets(IC50)	5-HT Receptor, Prostaglandin Receptor
Kinase Assay	Rac Activity Assays: Rac activity is determined from lysates of the MDA-MB-435 and MDA-MB-231 human metastatic cancer cell lines (from ATCC). Cancer cells in culture medium (DMEM, 10% FBS, pH 7.5) are treated with vehicle (0.1% DMSO) or varying concentrations of EHop-016 (0-10 μM) for 24 h. Rac1 activity is determined using the G-LISA Rac1 activation assay kit.

Solubility Information

Solubility	DMSO: 60 mg/mL (133.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (5.58 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	2.230 mL	11.150 mL	22.300 mL
5 mM	0.446 mL	2.230 mL	4.460 mL
10 mM	0.223 mL	1.115 mL	2.230 mL
50 mM	0.0446 mL	0.223 mL	0.446 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

Jiang J, et al. Proc Natl Acad Sci U S A. 2013 Feb 26;110(9):3591-3596.

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