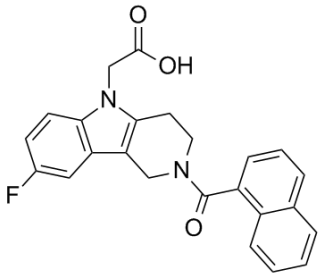
Setipiprant

Cat. No.:	HY-16635
CAS No.:	866460-33-5
Molecular Formula:	$C_{24}H_{19}FN_2O_3$
Molecular Weight:	402.42
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



Solvent & Solubility

In Vitro

DMSO : ≥ 36 mg/mL (89.46 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4850 mL	12.4248 mL	24.8497 mL
	5 mM	0.4970 mL	2.4850 mL	4.9699 mL
	10 mM	0.2485 mL	1.2425 mL	2.4850 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Setipiprant is an orally available, selective CRTH2 antagonist. CRTH2 is a G protein-coupled receptor for PGD2.IC50 value: 6.0 nMTarget: PGD2in vitro: Setipiprant is an orally available, selective CRTH2 (chemoattractant receptor-homologous molecule expressed on T helper [Th]-2 cells) antagonist. CRTH2 is a G protein-coupled receptor for prostaglandin (PGD2). PGD2 is produced by the mast cells and is a key mediator in various inflammatory diseases, including allergy and asthma. Binding of PGD2 to CRTH2, which are expressed on the surface of blood-borne cells, induces chemotaxis of Th2 cells, basophils, and eosinophils, and stimulates cytokine release from these cells. Thus, antagonism of CRTH2 receptors is considered to be a promising therapeutic target for various allergic diseases and asthma.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA