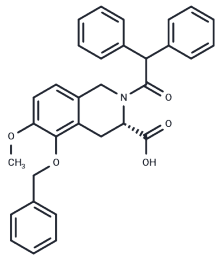
Data Sheet (Cat.No.T4431)

TargetMol

Olodanrigan

Chemical Properties



CAS No. : 1316755-16-4

Formula: C32H29NO5

Molecular Weight: 507.58

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Olodanrigan (EMA401), a highly selective AT2R antagonist, inhibition of augmented AngII/AT2R induced p38 and p42/p44 MAPK activation, and hence inhibition of DRG neuron hyperexcitability and sprouting of DRG neurons. EMA401 blocks p38, p42/p44 mitogen-activated protein kinase (MAPK) activation, neurite outgrowth in adult rat DRG neurons, and sensitization of adult rat and human DRG neurons induced by AngII. It inhibits capsaicin responses in cultured hDRG neurons.
Targets(IC50)	RAAS

Solubility Information

Solubility	DMSO: 50 mg/mL (98.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9701 mL	9.8507 mL	19.7013 mL
5 mM	0.394 mL	1.9701 mL	3.9403 mL
10 mM	0.197 mL	0.9851 mL	1.9701 mL
50 mM	0.0394 mL	0.197 mL	0.394 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.

Reference

Rice A S C, Dworkin R H, McCarthy T D, et al. EMA401, an orally administered highly selective angiotensin II type 2 receptor antagonist, as a novel treatment for postherpetic neuralgia: a randomised, double-blind, placebo-controlled phase 2 Clinicalal trial[J]. The Lancet, 2014, 383(9929): 1637-1647.

Anand U, Yiangou Y, Sinisi M, et al. Mechanisms underlying Clinicalal efficacy of Angiotensin II type 2 receptor (AT 2 R) antagonist EMA401 in neuropathic pain: Clinicalal tissue and in vitro studies[J]. Molecular pain, 2015, 11(1): 38.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481