
Product Data Sheet

Product Name: Ex 26
 Cat. No.: GC50275

Chemical Properties

Cas. No. 1233332-37-0

SMILES CC(C1=CC(C)=C(C=C1)Cl)NC2=CC=C(C(C3=CC(C)=C(C(C)=C3)C(NC4(C(O)=O)CC4)=O)=C2)F

Formula C₂₈H₂₈ClFN₂O₃ M.Wt 494.98

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Potent and selective S1P1 receptor antagonist (IC₅₀ = 0.93 nM). Exhibits > 3,000-fold selectivity for S1P1 over S1P2, S1P3, S1P4 and S1P5. Induces lymphocyte sequestration in peripheral lymph nodes and upregulates S1P1 receptor expression. Reduces disease severity in mice with EAE. Increases IFN-α production in stimulated dendritic cells in vivo.

Teijaro et al (2016) S1PR1-mediated IFNAR1 degradation modulates plasmacytoid dendritic cell IFN-α autoamplification. Proc.Natl.Acad.Sci.U.S.A. 113 1351 PMID:26787880 | Cahalan et al (2013) Sphingosine 1-phosphate receptor 1 (S1P1) upregulation and amelioration of experimental autoimmune encephalomyelitis by an S1P1 antagonist. Mol.Pharmacol. 83 316 PMID:23204443 | Kleinwort et al (2018) S1P signalling differentially affects migration of peritoneal B cell populations in vitro and influences the production of intestinal IgA in vivo. Int.J.Mol.Sci. 19 E391 PMID:29382132

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
