

Product Name : LIT-927

Synonyms : LIT927

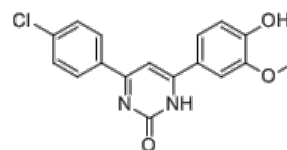
Cat No. : M13474

CAS Number : 2172879-52-4

Molecular Formula : C₁₇H₁₃ClN₂O₃

Formula Weight : 328.75

Chemical Name : 4-(4-Chlorophenyl)-6-(4-hydroxy-3-methoxyphenyl)pyrimidin-2(1H)-one



Description : LIT-927 (LIT927) is the first selective, locally and orally active CXCL12 neutraligand with K_i of 267 nM for CXCL12-TR binding inhibition; displays excellent selectivity over other chemokines (CCL17, CCL22, CCL5 and CCL2), inhibits the increase in intracellular calcium concentration in EGFP-CXCR4+HEK cells in response to CXCL12 at 10 μM, has no effect on calcium responses triggered by either CCL17 or CCL22 on EGFP-CCR4+HEK cells, CCL5 on EGFP-CCR5+ HEK cells, or by CCL2 on EGFP-CCR2+HEK cells; reduces eosinophil recruitment in murine model of allergic airway hypereosinophilia.

Pathway : GPCR/G Protein

Target : Chemokine Receptor

Receptor : CXCL12

Solubility : DMSO: 25 mg/mL, 76.05 mM; Water: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : O=C1N=C(C2=CC=C(Cl)C=C2)C(=C(C3=CC=C(O)C(OC)=C3))N1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Regenass P, et al. J Med Chem. 2018 Aug 28. doi: 10.1021/acs.jmedchem.8b00657.