

Product Name : JMS-17-2

Synonyms : JMS-17-2; JMS172; JMS 17 2; JMS17-2; JMS-172

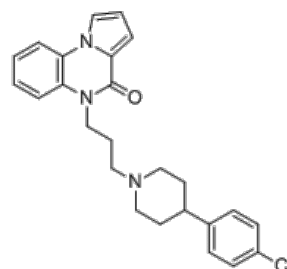
Cat No. : M11574

CAS Number : 1380392-05-1

Molecular Formula : C₂₅H₂₆ClN₃O

Formula Weight : 419.95

Chemical Name : 5-[3-[4-(4-Chlorophenyl)-1-piperidinyl]propyl]pyrrolo[1,2-a]quinoxalin-4(5H)-one



Description : JMS-17-2 is a potent and selective antagonist of CX3CR1 with IC₅₀ of 0.32 nM, displays significant selectivity for CX3CR1 over other chemokine receptors such as CXCR2, CXCR1, and CXCR4 (IC₅₀>1 μM); effectively blocks FKN-induced ERK phosphorylation, also significantly reduces the migration of breast cancer cells in vitro; impairs metastatic seeding and colonization of breast cancer cells, shows long-term anti-tumor effects in vivo.

Pathway : GPCR/G Protein

Target : Chemokine Receptor

Receptor : Chemokine Receptor

Solubility : —

SMILES : O=C1C2=CC=CN2C3=C(C=CC=C3)N1CCCN4CCC(C5=CC=C(Cl)C=C5)CC4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shen F, et al. Mol Cancer Res. 2016 Jun;14(6):518-27. | 2. Stout MC, et al. Biochem Biophys Res Commun. 2018 Jan 15;495(3):2264-2269. | 3. Naya A, et al. J Med Chem. 2001 Apr 26;44(9):1429-35.