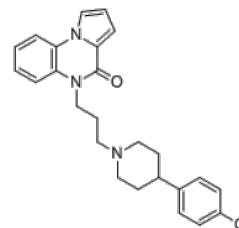


Product Name : JMS-17-2
Cat. No. : PC-35323
CAS No. : 1380392-05-1
Molecular Formula : C₂₅H₂₆ClN₃O
Molecular Weight : 419.953
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

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 CXCR2, CXCR1, and CXCR4 (IC₅₀>1 μM).

JMS-17-2 effectively blocks FKN-induced ERK phosphorylation, also significantly reduces the migration of breast cancer cells in vitro.

JMS-17-2 impairs metastatic seeding and colonization of breast cancer cells, shows long-term anti-tumor effects in vivo.

References

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Stout MC, et al. *Biochem Biophys Res Commun*. 2018 Jan 15;495(3):2264-2269.

Naya A, et al. *J Med Chem*. 2001 Apr 26;44(9):1429-35.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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