
Product Data Sheet

Product Name: JMS 17-2 hydrochloride

Cat. No.: GC50436

Chemical Properties

Cas. No. 2341841-07-2

SMILES C1C=CC=C(C2CCN(CC2)CCCN3C(C4=CC=CN4C5=CC=CC=C35)=O)C=C1.ClFormula C₂₅H₂₆ClN₃O.HCl M.Wt 456.41

Solubility Soluble in DMSO Storage Store at -20°C

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

Structure **Background**

Chemokine CX3CR1 (fractalkine receptor) antagonist. Inhibits fractalkine-induced ERK phosphorylation and decreases migration of breast cancer cells in vitro. Also inhibits circulating tumor cells from seeding into bone and reduces overall tumor burden in a breast cancer metastasis model.

Shen et al (2016) Novel small-molecule CX3CR1 antagonist impairs metastatic seeding and colonization of breast cancer cells. Mol. Cancer Res. 14 518 PMID:27001765

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

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