# JMS-17-2 hydrochloride

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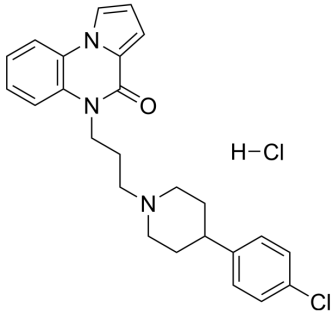
| **Cat. No.:** | HY-123918A |
| **CAS No.:** | 2341841-07-2 |
| **Molecular Formula:** | $C_{25}H_{27}Cl_2N_3O$ |
| **Molecular Weight:** | 456.41 |
| **Target:** | CX3CR1 |
| **Pathway:** | Immunology/Inflammation |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |




## BIOLOGICAL ACTIVITY

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| **Description** | JMS-17-2 hydrochloride is a potent and selective CX3CR1 antagonist with an $IC_{50}$ of 0.32 nM. JMS-17-2 hydrochloride impairs metastatic seeding and colonization of breast cancer cells[1]. |
| **$IC_{50}$ & Target** | IC50: 0.32 nM (CX3CR1)[1] |
| **In Vivo** | JMS-17-2 (10 mg/kg; aministered i.p.; twice a day for three weeks) causes a dramatic reduction of tumors in both skeleton and visceral organs in SCID mice[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

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| Animal Model: | SCID mice (~25g) with MDA-231 xenograft[1] |
| Dosage: | 10 mg/kg |
| Administration: | Aministered i.p.; twice a day for three weeks |
| Result: | Caused a dramatic reduction of tumors in both skeleton and visceral organs. |

## CUSTOMER VALIDATION

- Cancer Res. 2022 Sep 14;CAN-22-1199.

See more customer validations on www.MedChemExpress.com

## REFERENCES

[1]. Shen F, et al. Novel Small-Molecule CX3CR1 Antagonist Impairs Metastatic Seeding and Colonization of Breast Cancer Cells. Mol Cancer Res. 2016 Jun;14(6):518-27.

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

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