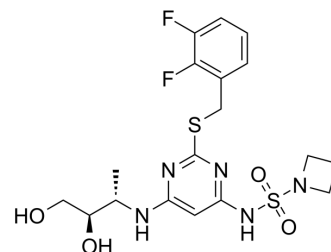


SRT3190

| | | | |
|---------------------------|---|-------|---------|
| Cat. No.: | HY-13021 | | |
| CAS No.: | 1204707-73-2 | | |
| Molecular Formula: | C ₁₈ H ₂₃ F ₂ N ₅ O ₄ S ₂ | | |
| Molecular Weight: | 475.53 | | |
| Target: | CXCR | | |
| Pathway: | GPCR/G Protein; Immunology/Inflammation | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 2 years |
| | | -20°C | 1 year |



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (210.29 mM)
 * "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 2.1029 mL | 10.5146 mL | 21.0292 mL |
| | 5 mM | 0.4206 mL | 2.1029 mL | 4.2058 mL |
| | 10 mM | 0.2103 mL | 1.0515 mL | 2.1029 mL |

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (5.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (5.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (5.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SRT3190 is an antagonist of CXCR2, used in the research of chemokine mediated diseases.

IC₅₀ & Target

CXCR2

In Vitro

SRT3190 (Reference Example 2) is an antagonist of CXCR2, used in the research of chemokine mediated diseases^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Premji Meghani, et al. Pyrimidyl sulfonamide derivative and its use for the treatment of chemokine mediated diseases. WO2010007427A1

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

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