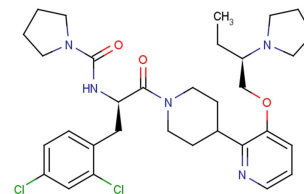


SNT-207858 free base

Chemical Properties

CAS No.: 1104662-66-9
Formula: C₃₂H₄₃Cl₂N₅O₃
Molecular Weight: 616.62
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	SNT-207858 free base is a selective, blood brain barrier penetrating, potent and orally active antagonist of melanocortin-4 (MC-4) receptor (IC ₅₀ of 22 nM (binding) and 11 nM (function), on the MC-4 receptor).
Targets(IC ₅₀)	MC-4 receptor: None
In vitro	SNT207858 binds to MC-4 receptor with an affinity of 22 nM, and shows a 170-fold selectivity vs. MC-3 and a 40-fold selectivity vs. MC-5.
In vivo	In mice, the tumor induced weight loss significantly reduced by SNT207858 (30 mg/kg; oral administration; once daily; 15 days).

Solubility Information

Solubility	DMSO: 125 mg/mL (202.72 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.622 mL	8.109 mL	16.217 mL
5 mM	0.324 mL	1.622 mL	3.243 mL
10 mM	0.162 mL	0.811 mL	1.622 mL
50 mM	0.032 mL	0.162 mL	0.324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Weyermann P, et al. Orally available selective melanocortin-4 receptor antagonists stimulate food intake and reduce cancer-induced cachexia in mice. PLoS One. 2009;4(3):e4774.

Inhibitors · Natural Compounds · Compound Libraries

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