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**Product Data Sheet**

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Product Name: SNT-207858

Cat. No.: GC31560

**Chemical Properties**

Cas. No. 1104080-42-3

[H]Cl.O=C(N1CCCC1)N[C@H]  
SMILES (CC2=CC=C(Cl)C=C2Cl)C(N3CCC(C4=NC=CC=C4OC[C@H])  
(N5CCCC5)CC)CC3)=O.[H]Cl

Formula C<sub>32</sub>H<sub>45</sub>Cl<sub>4</sub>N<sub>5</sub>O<sub>3</sub> M.Wt 689.54

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**

SNT-207858 is a selective and orally available melanocortin MC-4 receptor antagonist with a 170-fold selectivity vs. MC-3 and a 40-fold selectivity versus MC-5. SNT-207858 has an IC<sub>50</sub> of 8 nM (binding) and 5 nM (function) on the MC-4 receptor.

Subcutaneous injection or oral treatment by gavage of SNT-207858 distinctly increase food intake in healthy mice. In mice subcutaneously implanted with C26 adenocarcinoma cells, repeated oral administration (starting the day after tumor implantation) of SNT-207858 almost completely prevents tumor induced weight loss, and diminished loss of lean body mass and fat mass[1].

[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.

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

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