

Product Data Sheet

Product Name: ST-1006
Cat. No.: GC70497

Chemical Properties

Cas. No. 1196994-11-2

Formula $C_{16}H_{20}Cl_2N_6$ M.Wt 367.28

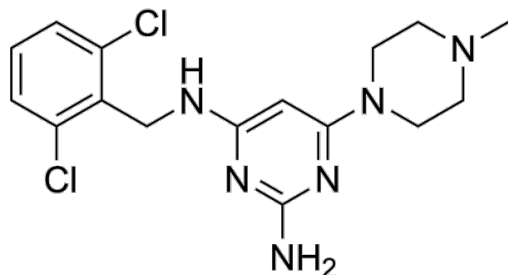
Solubility DMSO : 125 mg/mL (340.34 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage 4°C, protect from light

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

ST-1006 is a potent histamine H4 receptor agonist with a pKi value of 7.94. ST-1006 has anti-inflammatory effect.

ST-1006 (10 µM) is a potent inducer of basophil migration and induces migration of basophils [2].

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

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ST-1006 (0-100 μ M) suppresses Fc ϵ RI-mediated basophil activation and reduces the CD63 and CD203c expression levels on Fc ϵ RI-activated basophils^[2].

ST-1006 (1-100 mg/kg; s.c.; Male CD-1 mice) has anti-inflammatory effect and displays an antipruritic effect^[1].

References:

- [1]. Adami M, et, al. Differential effects of functionally different histamine H₄ receptor ligands on acute irritant dermatitis in mice. *Naunyn Schmiedeberg's Arch Pharmacol*. 2018 Dec;391(12):1387-1397.
- [2]. Mommert S, et, al. Human basophil chemotaxis and activation are regulated via the histamine H₄ receptor. *Allergy*. 2016 Sep;71(9):1264-73.

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