

Otaplimastat

Chemical Properties

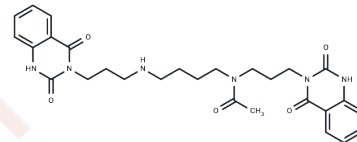
CAS No. : 1176758-04-5

Formula: C₂₈H₃₄N₆O₅

Molecular Weight: 534.61

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | SP-8203 is a reactive oxygen species inhibitor and superoxide dismutase stimulant. |
| Targets(IC50) | MMP,Others,iGluR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8705 mL | 9.3526 mL | 18.7052 mL |
| 5 mM | 0.3741 mL | 1.8705 mL | 3.741 mL |
| 10 mM | 0.1871 mL | 0.9353 mL | 1.8705 mL |
| 50 mM | 0.0374 mL | 0.1871 mL | 0.3741 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Han SY, Yoon I, Chin YW, Cho IW, Lee MG, Choi YH. Pharmacokinetic interaction between metoprolol and SP-8203 in rats: competitive inhibition for the metabolism of metoprolol by SP-8203 via hepatic CYP2D subfamily. *Xenobiotica*. 2012 Oct;42(10):1017-27. doi: 10.3109/00498254.2012.663117. Epub 2012 May 9. PubMed PMID: 22568632.

Noh SJ, Lee JM, Lee KS, Hong HS, Lee CK, Cho IH, Kim HS, Suh YH. SP-8203 shows neuroprotective effects and improves cognitive impairment in ischemic brain injury through NMDA receptor. *Pharmacol Biochem Behav*. 2011 Nov;100(1):73-80. doi: 10.1016/j.pbb.2011.07.018. Epub 2011 Aug 1. PubMed PMID: 21835192.

Noh SJ, Lee SH, Shin KY, Lee CK, Cho IH, Kim HS, Suh YH. SP-8203 reduces oxidative stress via SOD activity and behavioral deficit in cerebral ischemia. *Pharmacol Biochem Behav*. 2011 Mar;98(1):150-4. doi: 10.1016/j.pbb.2010.12.014. Epub 2010 Dec 21. PubMed PMID: 21172384.

Lee JH, Choi YH, Suh JH, Kang HE, Lee TH, Cho IH, Lee MG. Dose-dependent pharmacokinetics of SP-8203 in rats. *Biopharm Drug Dispos*. 2010 Jul;31(5-6):358-61. doi: 10.1002/bdd.713. PubMed PMID: 20578211.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481