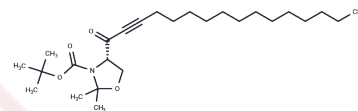


SKI 5C

Chemical Properties

CAS No. : 120005-55-2
 Formula: C₂₆H₄₅NO₄
 Molecular Weight: 435.64
 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	SKI 5C is a selective inhibitor of Sphingosine Kinase 1.
Targets(IC50)	Others,S1P Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2955 mL	11.4774 mL	22.9547 mL
5 mM	0.4591 mL	2.2955 mL	4.5909 mL
10 mM	0.2295 mL	1.1477 mL	2.2955 mL
50 mM	0.0459 mL	0.2295 mL	0.4591 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

- Li ZH, Tao YF, Xu LX, Zhao H, Li XL, Fang F, Wu Y, Lu J, Li YH, Du WW, Ren JL, Li YP, Xu YY, Feng X, Wang J, He WQ, Pan J. A novel sphingosine kinase 1 inhibitor (SKI-5C) induces cell death of Wilms' tumor cells in vitro and in vivo. *Am J Transl Res.* 2016 Nov 15;8(11):4548-4563. eCollection 2016. PubMed PMID: 27904661; PubMed Central PMCID: PMC5126303.
- Tian T, Tian W, Yang F, Zhao R, Huang Q, Zhao Y. Sphingosine kinase 1 inhibition improves lipopolysaccharide/D-galactosamine-induced acute liver failure by inhibiting mitogen-activated protein kinases pathway. *United European Gastroenterol J.* 2016 Oct;4(5):677-685. Epub 2016 Mar 2. PubMed PMID: 27733910; PubMed Central PMCID: PMC5042311.
- Datta A, Loo SY, Huang B, Wong L, Tan SS, Tan TZ, Lee SC, Thiery JP, Lim YC, Yong WP, Lam Y, Kumar AP, Yap CT. SPHK1 regulates proliferation and survival responses in triple-negative breast cancer. *Oncotarget.* 2014 Aug 15;5(15):5920-33. PubMed PMID: 25153718; PubMed Central PMCID: PMC4171602.

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