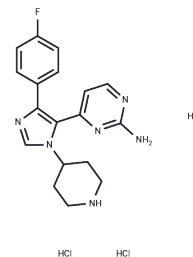


SB-220025 trihydrochloride

Chemical Properties

CAS No. : 197446-75-6
 Formula: C₁₈H₂₂Cl₃FN₆
 Molecular Weight: 447.77
 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	SB-220025 trihydrochloride is an effective and specific human p38 mitogen-activated protein kinase inhibitor.
Targets(IC50)	Others,p38 MAPK,PKC,Src

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2333 mL	11.1664 mL	22.3329 mL
5 mM	0.4467 mL	2.2333 mL	4.4666 mL
10 mM	0.2233 mL	1.1166 mL	2.2333 mL
50 mM	0.0447 mL	0.2233 mL	0.4467 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

Bell CE, Watson AJ. p38 MAPK regulates cavitation and tight junction function in the mouse blastocyst. PLoS One. 2013 Apr 4;8(4):e59528. doi: 10.1371/journal.pone.0059528. Print 2013. PubMed PMID: 23593143; PubMed Central PMCID: PMC3617173.

Kanaji N, Nelson A, Allen-Gipson DS, Sato T, Nakanishi M, Wang X, Li Y, Basma H, Michalski J, Farid M, Rennard SI, Liu X. The p38 mitogen-activated protein kinases modulate endothelial cell survival and tissue repair. Inflamm Res. 2012 Mar;61(3):233-44. doi: 10.1007/s00011-011-0405-7. Epub 2011 Dec 3. PubMed PMID: 22138711.

Campbell JS, Argast GM, Yuen SY, Hayes B, Fausto N. Inactivation of p38 MAPK during liver regeneration. Int J Biochem Cell Biol. 2011 Feb;43(2):180-8. doi: 10.1016/j.biocel.2010.08.002. Epub 2010 Aug 11. PubMed PMID: 20708092; PubMed Central PMCID: PMC3022113.

Sharma A, Guan H, Yang K. The p38 mitogen-activated protein kinase regulates 11beta-hydroxysteroid dehydrogenase type 2 (11beta-HSD2) expression in human trophoblast cells through modulation of 11beta-HSD2 messenger ribonucleic acid stability. Endocrinology. 2009 Sep;150(9):4278-86. doi: 10.1210/en.2009-0479. Epub 2009 Jun 4. PubMed PMID: 19497972.

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