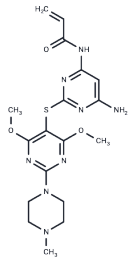
Data Sheet (Cat.No.T26343)

YK5

Chemical Properties



CAS No. : 1268273-23-9

Formula: C18H24N8O3S

Molecular Weight: 432.50

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	YK5 is an allosteric inhibitor pocket of Hsp70 and represents a previously unknown chemical tool to investigate cellular mechanisms associated with Hsp70.
Targets(IC50)	Apoptosis,Others,HSP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3121 mL	11.5607 mL	23.1214 mL
5 mM	0.4624 mL	2.3121 mL	4.6243 mL
10 mM	0.2312 mL	1.1561 mL	2.3121 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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

Kim JS, Jeong JH, Kim Y. Design and Engineering of Antimicrobial Peptides Based on LPcin-YK3, an Antimicrobial Peptide Derivative from Bovine Milk. J Microbiol Biotechnol. 2018 Mar 28;28(3):381-390. doi: 10.4014/jmb.1711.11057. PubMed PMID: 29316742.

Djegui KY, Gachomo EW, Hounhouigan DJ, Kayodé AP, Kotchoni SO. Biochemical characterization and growth patterns of new yeast isolates. Mol Biol Rep. 2014 Aug;41(8):5199-206. doi: 10.1007/s11033-014-3387-z. Epub 2014 May 7. PubMed PMID: 24802797.

Rodina A, Patel PD, Kang Y, Patel Y, Baaklini I, Wong MJ, Taldone T, Yan P, Yang C, Maharaj R, Gozman A, Patel MR, Patel HJ, Chirico W, Erdjument-Bromage H, Talele TT, Young JC, Chiosis G. Identification of an allosteric pocket on human hsp70 reveals a mode of inhibition of this therapeutically important protein. Chem Biol. 2013 Dec 19;20(12):1469-80. doi: 10.1016/j.chembiol.2013.10.008. Epub 2013 Nov 14. PubMed PMID: 24239008; PubMed Central PMCID: PMC3985611.

Iida T, Nakamura K, Izumi A, Mukouzaka Y, Kudo T. Isolation and characterization of a gene cluster for dibenzofuran degradation in a new dibenzofuran-utilizing bacterium, Paenibacillus sp. strain YK5. Arch Microbiol. 2006 Jan;184(5):305-15. Epub 2005 Nov 12. PubMed PMID: 16284749.

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