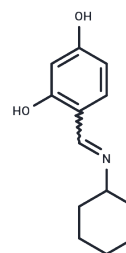


YKAs3003

Chemical Properties

CAS No. : 329180-48-5
 Formula: C₁₃H₁₇NO₂
 Molecular Weight: 219.28
 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	YKAs3003, a potent inhibitor of pathogenic KAS III, displays minimal inhibitory concentration (MIC) values in the range 128-256 microg/mL against various bacteria.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5604 mL	22.8019 mL	45.6038 mL
5 mM	0.9121 mL	4.5604 mL	9.1208 mL
10 mM	0.456 mL	2.2802 mL	4.5604 mL
50 mM	0.0912 mL	0.456 mL	0.9121 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

Lee JY, Jeong KW, Shin S, Lee JU, Kim Y. Discovery of novel selective inhibitors of Staphylococcus aureus β -ketoacyl acyl carrier protein synthase III. Eur J Med Chem. 2012 Jan;47(1):261-9. doi: 10.1016/j.ejmech.2011.10.052. Epub 2011 Nov 4. PubMed PMID: 22104972.

Lee JY, Jeong KW, Lee JU, Kang DI, Kim Y. Novel E. coli beta-ketoacyl-acyl carrier protein synthase III inhibitors as targeted antibiotics. Bioorg Med Chem. 2009 Feb 15;17(4):1506-13. doi: 10.1016/j.bmc.2009.01.004. Epub 2009 Jan 11. PubMed PMID: 19185501.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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