

YN1

Chemical Properties

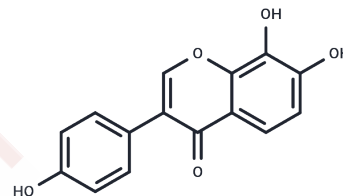
CAS No. : 75187-63-2

Formula: C₁₅H₁₀O₅

Molecular Weight: 270.24

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	YN1 is an inhibitor of PFKFB3 that can be used in biochemical experiments and drug synthesis research.
Targets(IC50)	Glucokinase

Solubility Information

Solubility	DMSO: 50 mg/mL (185.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7004 mL	18.5021 mL	37.0041 mL
5 mM	0.7401 mL	3.7004 mL	7.4008 mL
10 mM	0.370 mL	1.8502 mL	3.7004 mL
50 mM	0.074 mL	0.370 mL	0.7401 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

Seo M, Kim JD, et al. Structure-based development of small molecule PFKFB3 inhibitors: a framework for potential cancer therapeutic agents targeting the Warburg effect. PLoS One. 2011;6(9):e24179. doi: 10.1371/journal.pone.0024179. Epub 2011 Sep 21. PMID: 21957443; PMCID: PMC3177832.

Zhang L, Wang S. Bacterial community diversity on in-shell walnut surfaces from six representative provinces in China. Sci Rep. 2017 Aug 30;7(1):10054. doi: 10.1038/s41598-017-10138-y. PubMed PMID: 28855583; PubMed Central PMCID: PMC5577159.

Chen F, Zhu Y, Wu M, Ku X, Ye S, Li Z, Guo X, He Q. Comparative Genomic Analysis of Classical and Variant Virulent Parental/Attenuated Strains of Porcine Epidemic Diarrhea Virus. Viruses. 2015 Oct 23;7(10):5525-38. doi: 10.3390/v7102891. PubMed PMID: 26512689; PubMed Central PMCID: PMC4632399.

You Y, He L, Zhang M, Zhang J. Comparative genomics of a Helicobacter pylori isolate from a Chinese Yunnan Naxi ethnic aborigine suggests high genetic divergence and phage insertion. PLoS One. 2015 Mar 23;10(3):e0120659. doi: 10.1371/journal.pone.0120659. eCollection 2015. PubMed PMID: 25799515; PubMed Central PMCID: PMC4370579.

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