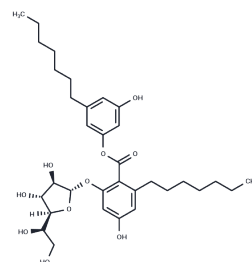


KS 501

Chemical Properties

CAS No. : 120634-86-8
 Formula: C₃₃H₄₈O₁₀
 Molecular Weight: 604.73
 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	KS 501 interferes with calmodulin activation and is isolated from <i>Sporothrix</i> sp. KAC-1985.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6536 mL	8.2682 mL	16.5363 mL
5 mM	0.3307 mL	1.6536 mL	3.3073 mL
10 mM	0.1654 mL	0.8268 mL	1.6536 mL
50 mM	0.0331 mL	0.1654 mL	0.3307 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

Yasuzawa T, Saitoh Y, Sano H. Structures of KS-501 and KS-502, the new inhibitors of Ca²⁺ and calmodulin-dependent cyclic nucleotide phosphodiesterase. *J Antibiot (Tokyo)*. 1990 Apr;43(4):336-43. PubMed PMID: 2161817.

Hait WN, Gesmonde J, Cheng E. Effects of KS-501, KS-502 and their enantiomers on calmodulin-sensitive enzyme activity and cellular proliferation. *Biochem Pharmacol*. 1995 Jun 29;50(1):69-74. PubMed PMID: 7605347.

Nakanishi S, Ando K, Kawamoto I, Kase H. KS-501 and KS-502, new inhibitors of Ca²⁺ and calmodulin-dependent cyclic-nucleotide phosphodiesterase from *Sporothrix* sp. *J Antibiot (Tokyo)*. 1989 Jul;42(7):1049-55. PubMed PMID: 2546910.

Bunyapaiboonsri T, Yoiprommarat S, Khonsanit A, Komwijit S. Phenolic glycosides from the filamentous fungus *Acremonium* sp. BCC 14080. *J Nat Prod*. 2008 May;71(5):891-4. doi: 10.1021/np070689m. Epub 2008 Mar 26. PubMed PMID: 18363379.

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