Data Sheet (Cat.No.T24247)

TargetMol

Kapurimycin A3

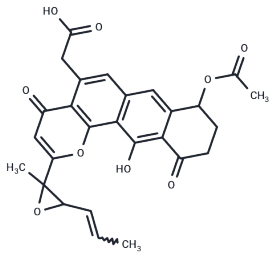
Chemical Properties

CAS No. : 129966-45-6

Formula: C27H24O9

Molecular Weight: 492.47

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	Kapurimycin A3 is an antitumor antibiotics.
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0306 mL	10.1529 mL	20.3058 mL
5 mM	0.4061 mL	2.0306 mL	4.0612 mL
10 mM	0.2031 mL	1.0153 mL	2.0306 mL
50 mM	0.0406 mL	0.2031 mL	0.4061 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

Sugiyama H, Lam CK, Hosoda M, Saito I. Site specific covalent alkylation of DNA by antitumor antibiotics, duocarmycin A and kapurimycin A3. Nucleic Acids Symp Ser. 1991;(25):75-6. PubMed PMID: 1842103.
Hara M, Yoshida M, Nakano H. Covalent modification and single-strand scission of DNA by a new antitumor antibiotic kapurimycin A3. Biochemistry. 1990 Nov 20;29(46):10449-55. PubMed PMID: 2271655.
Chan KL, Sugiyama H, Saito I, Hara M. NMR characterization of guanine DNA site alkylated by kapurimycin A3, an antitumour antibiotic from Streptomyces sp. Phytochemistry. 1995 Nov;40(5):1373-4. PubMed PMID: 8534399.
Okamoto A, Nakatani K, Saito I. Studies on the mechanism of DNA sequence selective alkylation by kapurimycin A3 analogs. Nucleic Acids Symp Ser. 1997;(37):27-8. PubMed PMID: 9585982.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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