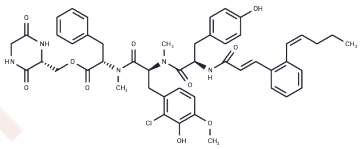
Data Sheet (Cat.No.T25939)

TargetMol

Pepticinnamin E

Chemical Properties



CAS No. : 147317-36-0

Formula: C49H54ClN5O10

Molecular Weight: 908.43

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	Pepticinnamin E is a naturally occurring bisubstrate farnesyltransferase inhibitor.
Targets(IC50)	Others,Transferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1008 mL	5.504 mL	11.008 mL
5 mM	0.2202 mL	1.1008 mL	2.2016 mL
10 mM	0.1101 mL	0.5504 mL	1.1008 mL
50 mM	0.022 mL	0.1101 mL	0.2202 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

Thutewohl M, Waldmann H. Solid-phase synthesis of a pepticinnamin E library. Bioorg Med Chem. 2003 Jun 12;11(12):2591-615. PubMed PMID: 12757726.

Shiomi K, Yang H, Inokoshi J, Van der Pyl D, Nakagawa A, Takeshima H, Omura S. Pepticinnamins, new farnesyl-protein transferase inhibitors produced by an actinomycete. II. Structural elucidation of pepticinnamin E. J Antibiot (Tokyo). 1993 Feb;46(2):229-34. PubMed PMID: 8468236.

Thutewohl M, Kissau L, Popkirova B, Karaguni IM, Nowak T, Bate M, Kuhlmann J, Müller O, Waldmann H. Identification of mono- and bisubstrate inhibitors of protein farnesyltransferase and inducers of apoptosis from a pepticinnamin E library. Bioorg Med Chem. 2003 Jun 12;11(12):2617-26. PubMed PMID: 12757727.

Hinterding K, Hagenbuch P, Rétey J, Waldmann H. Synthesis and In Vitro Evaluation of the Ras Farnesyltransferase Inhibitor Pepticinnamin E. Angew Chem Int Ed Engl. 1998 May 18;37(9):1236-1239. doi: 10.1002/(SICI)1521-3773(19980518)37:9<1236::AID-ANIE1236>3.0.CO;2-F. PubMed PMID: 29711232.

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