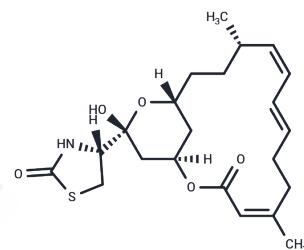


Latrunculin A

Chemical Properties

CAS No. :	76343-93-6
Formula:	C ₂₂ H ₃₁ NO ₅ S
Molecular Weight:	421.55
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	Latrunculin A is a toxin isolated from the red sea sponge <i>Latrunculia magnifica</i> . Latrunculin A binds to actin monomers and it also inhibits polymerization of actin (K _d s: 0.1, 0.4, 4.7 μM, and 0.19 μM for ATP-actin, ADP-Pi-actin, ADP-actin, and G-actin, respectively).
Targets(IC50)	Others, Arp2/3 Complex

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3722 mL	11.861 mL	23.722 mL
5 mM	0.4744 mL	2.3722 mL	4.7444 mL
10 mM	0.2372 mL	1.1861 mL	2.3722 mL
50 mM	0.0474 mL	0.2372 mL	0.4744 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

Fujiwara I, et al. Latrunculin A Accelerates Actin Filament Depolymerization in Addition to Sequestering Actin Monomers. *Curr Biol.* 2018 Oct 8;28(19):3183-3192.e2.

Coué M, et al. Inhibition of actin polymerization by latrunculin A. *FEBS Lett.* 1987 Mar 23;213(2):316-8.

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