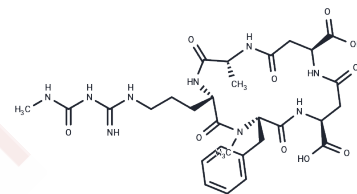


Argifin

Chemical Properties

CAS No. :	243975-37-3
Formula:	C ₂₉ H ₄₁ N ₉ O ₁₀
Molecular Weight:	675.7
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Argifin is a sub-nanomolar chitinase inhibitor produced by soil microorganisms (IC ₅₀ : 0.025 μM, 6.4 μM, 1.1 μM, and 4.5 μM for SmChiA [Serratia marcescens chitinase A], SmChiB, Aspergillus fumigatus chitinase B1, and human chitotriosidase).
Targets(IC ₅₀)	Others,Parasite
In vitro	Argifin inhibits L. cuprina chitinase (IC ₅₀ s: 3.7 μM at 37 oC and 0.10 μM at 20 oC)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4799 mL	7.3997 mL	14.7995 mL
5 mM	0.296 mL	1.4799 mL	2.9599 mL
10 mM	0.148 mL	0.740 mL	1.4799 mL
50 mM	0.0296 mL	0.148 mL	0.296 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

Hirose T, et al. Recent development of two chitinase inhibitors, Argifin and Argadin, produced by soil microorganisms. Proc Jpn Acad Ser B Phys Biol Sci. 2010;86(2):85-102.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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