

Neosartoricin

Chemical Properties

CAS No. :	1421941-29-8
Formula:	C ₂₆ H ₂₈ O ₉
Molecular Weight:	484.5
Storage:	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	Neosartoricin (Fumicycline) (Compound 3) is an isoprenylated anthrone, classified as a microbial secondary metabolite. It can be isolated from <i>Aspergillus fumigatus</i> and <i>Neosartorya fischeri</i> . Neosartoricin exhibits immunosuppressive properties by significantly inhibiting T-cell proliferation with an IC ₅₀ of 3 μM. It may aid in fungal defense by suppressing the host's adaptive immunity, thereby facilitating infection without engaging primary virulence.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.064 mL	10.3199 mL	20.6398 mL
5 mM	0.4128 mL	2.064 mL	4.128 mL
10 mM	0.2064 mL	1.032 mL	2.064 mL
50 mM	0.0413 mL	0.2064 mL	0.4128 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.

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