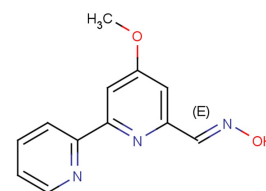


Caerulomycin A

Chemical Properties

CAS No.:	21802-37-9
Formula:	C ₁₂ H ₁₁ N ₃ O ₂
Molecular Weight:	229.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Caerulomycin A (Cerulomycin) is an antifungal compound. It induces generation of T cells, enhances TGF- β -Smad3 protein signaling via suppressing interferon- γ -induced STAT1 signaling.
Targets(IC ₅₀)	Antifungal: None TGF- β -Smad3: None

Solubility Information

Solubility	DMSO: 150 mg/mL (654.36 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.362 mL	21.812 mL	43.624 mL
5 mM	0.872 mL	4.362 mL	8.725 mL
10 mM	0.436 mL	2.181 mL	4.362 mL
50 mM	0.087 mL	0.436 mL	0.872 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Gurram RK, et al. Caerulomycin A enhances transforming growth factor- β (TGF- β)-Smad3 protein signaling by suppressing interferon- γ (IFN- γ)-signal transducer and activator of transcription 1 (STAT1) protein signaling to expand regulatory T cells (Tregs). J Biol Chem. 2014 Jun 20;289(25):17515-28.

Inhibitors · Natural Compounds · Compound Libraries

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