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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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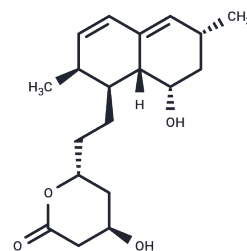
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



Monacolin J

Chemical Properties

CAS No. :	79952-42-4
Formula:	C ₁₉ H ₂₈ O ₄
Molecular Weight:	320.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Monacolin J (Antibiotic MB 530A) is a cholesterol biosynthesis inhibitor.
Targets(IC50)	HMG-CoA Reductase, Autophagy
In vitro	Monacolin J is a cholesterol biosynthesis inhibitor, and inhibits the activity of HMG-CoA reductase. Na salt of Monacolin J causes 50% inhibition on reductase at 1.2 µg/mL[1].

Solubility Information

Solubility	DMSO: 55 mg/ml (171.65 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1209 mL	15.6045 mL	31.209 mL
5 mM	0.6242 mL	3.1209 mL	6.2418 mL
10 mM	0.3121 mL	1.5605 mL	3.1209 mL
50 mM	0.0624 mL	0.3121 mL	0.6242 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.

Reference

Endo A, et al. Monacolins J and L, new inhibitors of cholesterol biosynthesis produced by *Monascus ruber*. J Antibiot (Tokyo). 1985 Mar;38(3):420-2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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