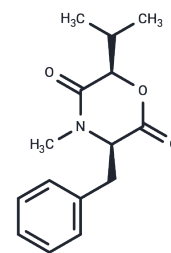


## Lateritin

## Chemical Properties

CAS No. :	65454-13-9
Formula:	C <sub>15</sub> H <sub>19</sub> NO <sub>3</sub>
Molecular Weight:	261.32
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	Lateritin (Bassiatin) is An Acyl-CoA:cholesterol acyltransferase (ACAT) inhibitor and a platelet aggregation inhibitor from the mycelial cake of Gibberella lateritium. Bassiatin is the (3S,6R) isomer.
Targets(IC50)	Acyltransferase

## Solubility Information

Solubility	DMSO: 4.4 mg/mL (16.84 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8267 mL	19.1336 mL	38.2673 mL
5 mM	0.7653 mL	3.8267 mL	7.6535 mL
10 mM	0.3827 mL	1.9134 mL	3.8267 mL
50 mM	0.0765 mL	0.3827 mL	0.7653 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

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Hasumi K, Shinohara C, Iwanaga T, Endo A. Lateritin, a new inhibitor of acyl-CoA:cholesterol acyltransferase produced by *Gibberella lateritium* IFO 7188. *J Antibiot (Tokyo).* 1993 Dec;46(12):1782-7. PubMed PMID: 8294234.

Meng L, Tao H, Dong G, Yang T, Zhang W, Zhu W, Huang C. ERK1/2 and Akt pathway activated during (3R,6R)-bassiatin(1)-induced apoptosis in MCF-7 cells. *Cell Biol Int.* 2012 Apr 1;36(4):345-8. doi: 10.1042/CBI20110388. PubMed PMID: 22150072.

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