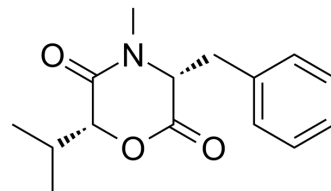


Lateritin

Cat. No.:	HY-121407
CAS No.:	172721-98-1
Molecular Formula:	C ₁₅ H ₁₉ NO ₃
Molecular Weight:	261.32
Target:	Acyltransferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lateritin is a potent inhibitor of acyl-CoA:cholesterol acyltransferase (ACAT), isolated from the mycelial cake of <i>Gibberella lateritium</i> IFO 7188 ^[1] . Lateritin also inhibits the growth of a mini-panel of human cancer cell lines, gram-positive bacteria, and <i>Candida albicans</i> ^[2] .
IC ₅₀ & Target	IC ₅₀ : 6 μM (ACAT, acyl-CoA:cholesterol acyltransferase) ^[1]

REFERENCES

- [1]. K Hasumi, et al. Lateritin, a new inhibitor of acyl-CoA:cholesterol acyltransferase produced by *Gibberella lateritium* IFO 7188. *J Antibiot (Tokyo)*. 1993 Dec;46(12):1782-7.
- [2]. Robin K Pettit, et al. Isolation of human cancer cell growth inhibitory, antimicrobial lateritin from a mixed fungal culture. *Planta Med*. 2010 Mar;76(5):500-1.

Caution: Product has not been fully validated for medical applications. For research use only.

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