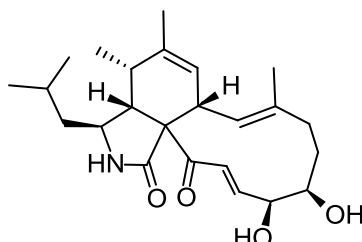


Aspochalasin D

Code No.: **BIA-A1642**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 71968-02-0
Molecular Formula	: C ₂₄ H ₃₅ NO ₄
Molecular Weight	: 401.5
Source	: <i>Aspergillus</i> sp.
Appearance	: Off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Aspochalasin D is a potent inhibitor of mammalian tumor cell lines, first isolated from *Aspergillus microcysticus* by Keller-Schierlein and co-worker in 1979. While known to be an epimer of aspochalasin C, the stereochemistry was not resolved until Hayakawa and co-workers at University of Tokyo re-isolated the metabolite as a selective apoptosis inducer in Ras-dependent pathways in 2001.

References

1. Stoffwechselprodukte von Mikroorganismen. Über die Aspochalasine A, B, C und D. Keller-Schierlein W. and Kupfer E., *Helv. Chim. Acta* 1979, 62, 1501.
2. Selective cytotoxicity and stereochemistry of aspochalasin D. Tomikawa T. et al., *J. Antibiot.* 2001, 54, 379.