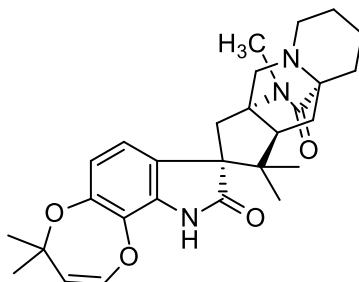


Marcfortine A

Code No.: **BIA-M1103**

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



Synonyms : UK 111866

Specifications

CAS #	: 75731-43-0
Molecular Formula	: C ₂₈ H ₃₅ N ₃ O ₄
Molecular Weight	: 477.6
Source	: <i>Penicillium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Marcfortine A is an indole alkaloid, isolated from *Aspergillus* and *Penicillium* species, with potent nematocidal activity. The marcfortines are structurally related to paraherquamides and are thought to act by blocking cholinergic neuromuscular transmission.

References

1. Further novel metabolites of the paraherquamide family. Blanchflower S.E. et al., J. Antibiot. 1993, 46, 1355.
2. Anthelmintic paraherquamides are cholinergic antagonists in gastrointestinal nematodes and mammals. Zinser E.W. et al., J. Vet. Pharmacol. Ther. 2002, 25, 241.
3. Aspergillicins A-E: five novel depsipeptides from the marine-derived fungus *Aspergillus carneus*. Capon R.J. et al., Org. Biomol. Chem. 2003, 1, 1856.