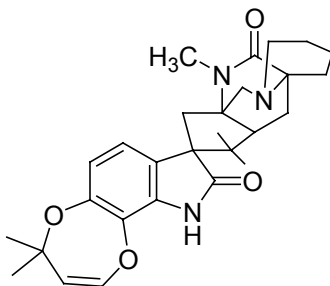


Marcfortine A

Code: **BIA-M1103**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Antibiotic UK 111866**

Specifications

CAS # : **75731-43-0**
Molecular Formula : **C₂₈H₃₅N₃O₄**
Molecular Weight : **477.6**
Source : ***Penicillium* sp. MST-FP2017**
Appearance : **White solid**
Purity : **> 99% by HPLC**
Long Term Storage : **4°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Marcfortine A is an indole alkaloid isolated from *Aspergillus* and *Penicillium* species with potent anthelmintic activity. The marcfortines are structurally related to paraherquamides and thought to act by blockade of 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.