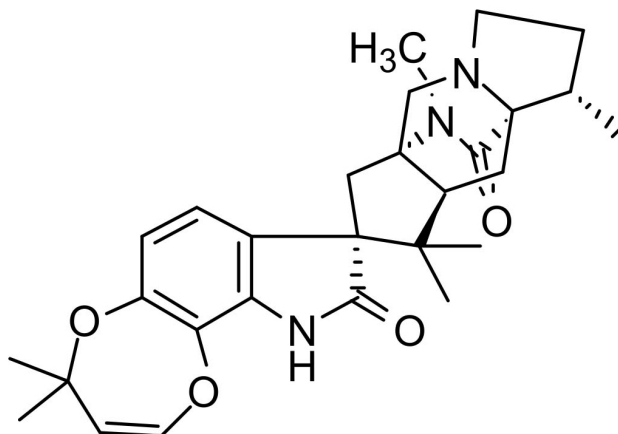


Paraherquamide E

Code No.: BIA-P1118

Pack sizes.: 0.5mg, 2.5mg



Synonyms:

VM 54159, 14-Deoxyparaherquamide A

Specifications

CAS #	: 125600-53-5
Molecular Formula	: C28H35N3O4
Molecular Weight	: 477.6
Source	: -
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Paraherquamide E is a member of the paraherquamide family which causes a potent non-toxic paralysis of nematodes and has led to investigation as potential anthelmintics. Although paraherquamide A has received more attention, paraherquamide E is the more potent anthelmintic in vivo. Paraherquamide E was found to be the most potent of a series of paraherquamide analogues tested for insecticidal activity against a hemipteran, with an LD50 of 0.089 µg/nymph.

References

1. Insecticidal activity of paraherquamides, including paraherquamide H and paraherquamide I, two new alkaloids isolated from *Penicillium cluniae*. Lopez-Gresa M.P. et al., J. Agric. Food Chem. 2006, 54, 2921.
2. Paraherquamide and 2-deoxy-paraherquamide distinguish cholinergic receptor subtypes in *Ascaris* muscle. Robertson A.P. et al., J. Pharmacol. Exp. Ther. 2002, 302, 853. et al., J. Antibiot. 1991, 44, 492.
3. New paraherquamide antibiotics with anthelmintic activity. Blanchflower S.E.