Paraherquamide E

Synonyms: VM 54159, 14-Deoxyparaherquamide A

Specifications

- **CAS #**: 125600-53-5
- **Molecular Formula**: C_{28}H_{35}N_{3}O_{4}
- **Molecular Weight**: 477.6
- **Source**: *Penicillium* sp.
- **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

3. New paraherquamide antibiotics with anthelmintic activity. Blanchflower S.E.