Avermectin B1a

Specifications

- **Synonyms**: 5-O-Demethyl avermectin A1a, C 076B1a.
- **CAS #**: 65195-55-3
- **Molecular Formula**: C₄₈H₇₂O₁₄
- **Molecular Weight**: 873.1
- **Source**: *Streptomyces avermitilis*
- **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

Avermectin B1a is the major component (>80%) of a commercially available anthelmintic used to control parasitic nematodes in livestock. Avermectin B1a contains a sec-butyl residue in the 25-position. In vitro and in vivo studies have shown that this analogue is the more potent analogue in the commercial product.

References