

## Product Data Sheet

Product Name: Avermectin B1a monosaccharide

Cat. No.: GC42882

### Chemical Properties

Cas. No. 71831-09-9

SMILES C/C([C@@H](O[C@@]1([H])C[C@H](OC)[C@@H](O)[C@H](C)O1)[C@@H](C)/C=C/C=C(CO2)/[C@@]([C@@]2([H])[C@H](O)C(C)=C3)(O)[C@]3([H])C4=O)=C\C[C@]5([H])C[C@@](O4)([H])C[C@]6(C=C[C@H](C)[C@]([C@@H](C)CC)([H])O6)O5

Formula C<sub>41</sub>H<sub>60</sub>O<sub>11</sub>

M.Wt 728.9

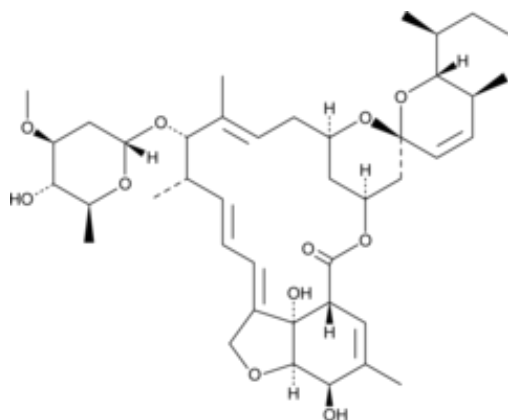
Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

Avermectin B1a monosaccharide is a macrolide anthelmintic and monosaccharide form of avermectin B1a . It is lethal to *C. elegans* with a minimum active concentration (MAC) value of 0.1 μM.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Avermectin B1a monosaccharide also stimulates conductance in isolated shore crab muscle.

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