

**Product Name:** Avermectin B1a aglycone

**Product Number:** A137

**CAS Number:** 71828-14-3

**Molecular Formula:**  $C_{34}H_{48}O_8$

**Molecular Weight:** 584.7

**Appearance:** White solid

**Storage Conditions:** -20°C

**Description:** Avermectin aglycone is an acid degradation product produced by hydrolysis of the disaccharide unit of avermectin. Avermectin aglycone is an inhibitor of nematode larval development, but is devoid of paralytic activity. Despite the importance of avermectin as an anthelmintic in animal health, there are few published reports of the biological activity or the levels of avermectin aglycone in animals or in the environment.

Avermectin aglycone is soluble in ethanol, methanol, DMF and DMSO.

**References:** Avermectin aglycones. Mrozik H. et al. J. Org. Chem. 1982, 47, 489.

Ivermectin, a new broad-spectrum antiparasitic agent. Chabala J.C. et al. J. Med. Chem. 1980, 23, 1134.