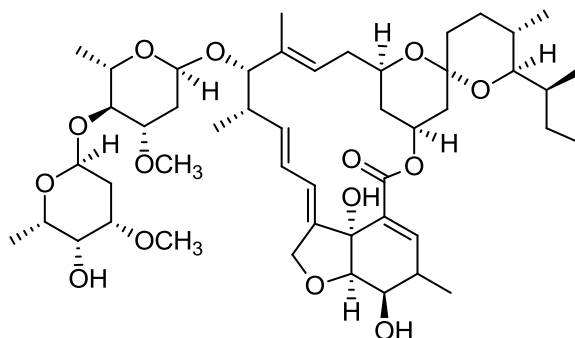


Δ^2 -Ivermectin B1a

Code No.: **BIA-I1581**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 1135339-49-9
Molecular Formula	: C₄₈H₇₄O₁₄
Molecular Weight	: 875.1
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Δ^2 -Ivermectin B1a is an irreversible base degradation product of ivermectin found in animals treated with ivermectin and in the environment. Δ^2 -Ivermectin B1a is formed by rearrangement of the naturally occurring Δ^3 -group to the 2-position. Despite the importance of ivermectin as an anthelmintic in animal health, there are no published reports of the biological activity or the levels of Δ^2 -Ivermectin B1a in animals or in the environment.

References

1. Base-catalyzed isomerization of avermectins. Pivnichny J.V. et al., J. Agric. Food Chem. 1988, 36, 826.
2. Direct determination of avermectins in plasma at nanogram levels by High-Performance Liquid Chromatography. Pivnichny J.V. et al., J. Pharm. Sci. 1980, 72, 1447.