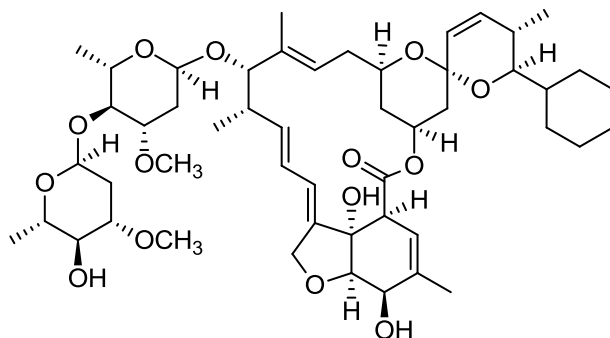


epi-Doramectin

Code No.: **BIA-D1577**

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



Synonyms :

Specifications

CAS #	: 1987882-62-1
Molecular Formula	: C ₅₀ H ₇₄ O ₁₄
Molecular Weight	: 899.1
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

epi-Doramectin is a base-catalysed intermediate in the decomposition of doramectin. *epi*-Doramectin is formed by epimerisation at the 2-position which ultimately rearranges irreversibly to the isomeric alkene analogue, Δ^2 -doramectin. Despite the importance of doramectin as an anthelmintic in animal health, there are no published reports of the biological activity or the levels of *epi*-doramectin in animals or 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.