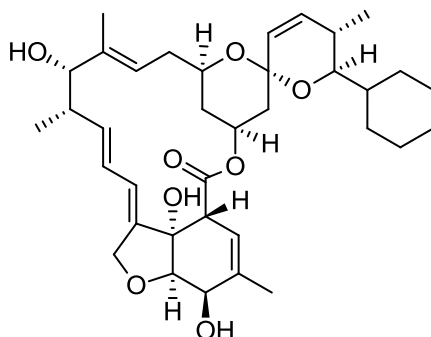


## Doramectin aglycone

Code No.: **BIA-D1584**

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



Synonyms :

## Specifications

CAS #	: -
Molecular Formula	: <b>C<sub>36</sub>H<sub>50</sub>O<sub>8</sub></b>
Molecular Weight	: <b>755.0</b>
Source	: <b>Semi-synthetic</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Doramectin aglycone is an acid degradation product produced by hydrolysis of the disaccharide unit of doramectin. Doramectin aglycone is an inhibitor of nematode larval development, but is devoid of paralytic activity. Despite the importance of doramectin as an anthelmintic in animal health, there are no published reports of the biological activity or the levels of doramectin aglycone in animals or in the environment.

## References

1. Avermectin aglycones. Mrozik H. et al. J. Org. Chem. 1982, 47, 489.
2. Ivermectin, a new broad-spectrum antiparasitic agent. Chabala J.C. et al. J. Med. Chem. 1980, 23, 1134.

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