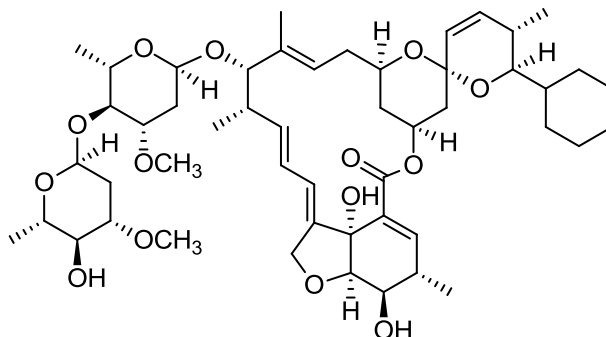


## $\Delta^2$ -Doramectin

Code No.: **BIA-D1580**

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



Synonyms :

### Specifications

CAS #	:	-
Molecular Formula	:	<b>C<sub>50</sub>H<sub>74</sub>O<sub>14</sub></b>
Molecular Weight	:	<b>899.1</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

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

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