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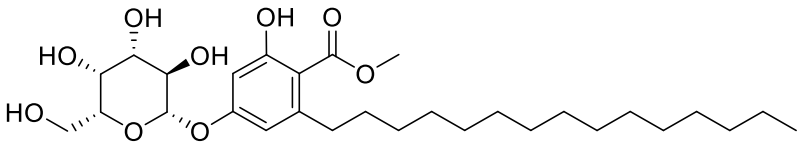
PRODUCT DATA SHEET

Aquastatin C

Code No.: **BIA-A2857**

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



Synonyms : -

Specifications

CAS #	:	**1344044-32-1**
Molecular Formula	:	**$C_{29}H_{48}O_9$**
Molecular Weight	:	**540.7**
Source	:	**Semi-synthetic**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO.**

Application Notes

Aquastatin C was first reported by Kim and co-workers, Korea Research Institute of Bioscience and Biotechnology in 2011 from Sporothrix sp. Aquastatin C is a glycoaromatic derivative of aquastatin A in which the 2-hydroxy-6-methyl benzoic acid ring of aquastatin A is deleted. Aquastatin C lacks activity against bacterial enoyl-ACP reductases and does not inhibit growth of S. aureus, MRSA and S. pneumoniae.

References

1. Aquastatin C, a new glycoaromatic derivative from Sporothrix sp. FN611. Kwon Y-J. et al. J. Antibiot. 2011, 64, 213.
2. The aquastatin biosynthetic gene cluster encodes a versatile polyketide synthase capable of synthesising heteromeric depsides with diverse alkyl side chains. Sbaraini N. et al. Chem. Sci. 2024, 15, 18872.

For in vitro laboratory use only. Not for human or animal use.

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