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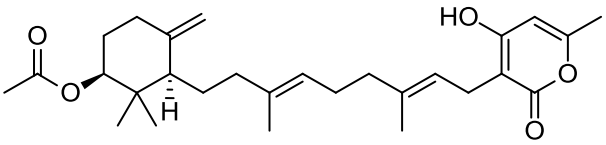
PRODUCT DATA SHEET

Sartorypyrone A

Code No.: **BIA-S1636**

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



Synonyms :

Specifications

CAS #	:	**1452396-10-9**
Molecular Formula	:	**$C_{28}H_{40}O_5$**
Molecular Weight	:	**456.6**
Source	:	***Neosartorya* sp.**
Appearance	:	**White to off-white solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Sartorypyrone A is a meroterpenoid metabolite first isolated from several species of Neosartorya in Thailand. Unlike previously reported meroterpenoids, sartorypyrone B and aszonapyrone A and B which are polycyclic, sartorypyrone A has a terminal pyrone and cyclohexane separated by a nine carbon chain. Sartorypyrone A is active against Gram negative species, E. coli, and P. aeruginosa, and Gram positive S. aureus resistant strains, and inhibits biofilm formation by S. aureus and B. subtilis.

References

1. Bioactive meroditerpenes and indole alkaloids from the soil fungus Neosartorya fischeri (KUFC 6344), and the marine-derived fungi Neosartorya laciniosa (KUFC 7896) and Neosartorya tsunodae (KUFC 9213). Eamvijarn A. et al., Tetrahedron 2013, 69, 8583.
2. Antibacterial and antibiofilm activities of tryptoquivalines and meroditerpenes isolated from the marine-derived fungi Neosartorya paulistensis, N. laciniosa, N. tsunodae, and the soil fungi N. fischeri and N. siamensis. Gomes N.M. et al., Marine Drugs 2014, 12, 822.

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