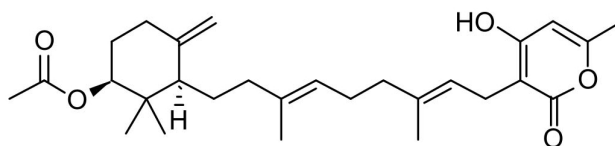


Sartorypyrone A

Code No.: BIA-S1636

Pack sizes.: 1mg, 5mg



Synonyms:

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Specifications

| | |
|-------------------|-----------------------------------------------------|
| CAS # | : 1452396-10-9 |
| Molecular Formula | : C28H40O5 |
| Molecular Weight | : 456.61 |
| Source | : - |
| 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 azonapyrone 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.