

Product Data Sheet

Product Name: Sartorypyrone A

Cat. No.: GC44873

Chemical Properties

Cas. No. 1452396-10-9

SMILES CC(O1)=CC(O)=C(C/C=C(C)/CC/C=C(C)/CC[C@H]2C(C)(C)[C@@H](OC(C)=O)CCC2=C)C1=O

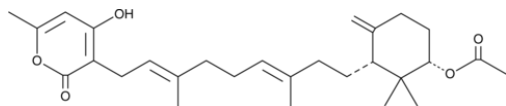
Formula C₂₈H₄₀O₅ M.Wt 456.6

Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Sartorypyrone A is a meroditerpene metabolite produced by *Neosartorya* fungal species. It inhibits the growth of MCF-7 breast, NCI-H460 lung, and A375-C5 melanoma cancer cell lines (GI₅₀s = 46.3, 37.3, and 21.5 μM, respectively). Sartorypyrone A inhibits growth of Gram-positive bacteria, including multidrug-resistant *S. aureus* (MIC = 32 μg/ml), and reduces the mass of *S. aureus* and *B. subtilis* biofilms in vitro.

Caution: Product has not been fully validated for medical applications. For research use only.

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