Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Ambuic acid

Product overview

Name Ambuic acid
Cat No HB3759
Purity >95%

Description Antibiotic with antibacterial and antifungal activities

Biological Data

Biological description Antibiotic. Antibiotecial. Antifungal. Inhibits the biosynthesis of cyclic peptide quormones in Gram-

positive bacteria. Lead compound for antipathogenic drugs that target the quorum-sensing-mediated

virulence expression of Gram-positive bacteria.

Solubility & Handling

Storage instructions +4°

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Molecular Weight Chemical structure 350.4

Molecular Formula $C_{19}H_{26}O_6$ CAS Number340774-69-8PubChem identifier11152290

 $\begin{array}{lll} \textbf{SMILES} & \textbf{CCCC/C=C/C1=C([C@H]([C@H]2O[C@]2(C1=O)C/C=C(C(O)=O)\backslash C)O)CO} \\ \textbf{InChiKey} & \textbf{UDSQZJMGPSRCEM-HDKVZZTHSA-N} \\ \end{array}$

Appearance Off-white solid