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DATASHEET

Altenusin

Product overview

 Name
 Altenusin

 Cat No
 HB3755

 Purity
 >97%

Description Non-competitive, specific neutral sphingomyelinase (N-SMase) inhibitor.

Biological Data

Biological description Antibiotic. Antifungal penicillide. Non-competitive, specific neutral sphingomyelinase (N-SMase)

inhibitor. Strong pp60c-Src inhibitor. Inhibits cFMS receptor tyrosine kinase (CSF-1/m-CSF receptor tyrosine kinase) which is implicated in cancer and bone diseases. Myosin light chain kinase inhibitor. Exhibits anti-HIV-1 integrase activity. Cytotoxic activity against mouse lymphoma cells. Anti-protozoan,

trypanothione reductase (TR) inhibitor. Phytotoxin.

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 290.3

Chemical structure

H₃C OH OH

CAS Number 31186-12-6

PubChem identifier

 $\begin{array}{ll} \textbf{SMILES} & \textbf{COc1ccc}(\textbf{C}(=\textbf{O})\textbf{OO})\textbf{c}(\textbf{c1})\textbf{c2cc}(\textbf{O})\textbf{c}(\textbf{O})\textbf{cc2C} \\ \textbf{InChiKey} & \textbf{ADPBTBPPIIKLEH-UHFFFAOYSA-N} \\ \end{array}$

Appearance Yellow solid