

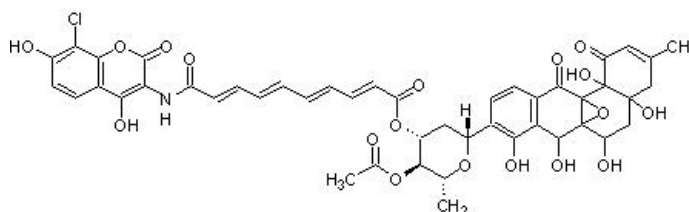
Product datasheet

Simocyclinone D8, Topoisomerase I and II inhibitor ab144362

1 Image

Overview

Product name	Simocyclinone D8, Topoisomerase I and II inhibitor
Description	Topoisomerase I and II inhibitor. Potent DNA gyrase inhibitor. Antibiotic agent.
Biological description	Topoisomerase I and II inhibitor (IC ₅₀ = 100 μM). Potent DNA gyrase inhibitor. Antibiotic agent. Inhibits topoisomerase II without inducing DNA strands breaks. Shows antiproliferative effects against cancer cell lines (IC ₅₀ values are 75-125 μM for NSCLC cells).
Purity	> 97%
CAS Number	301845-97-6
Chemical structure	



Properties

Molecular weight	932.27
Molecular formula	C ₄₆ H ₄₂ ClNO ₁₈
PubChem identifier	54736483
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Toxic, refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

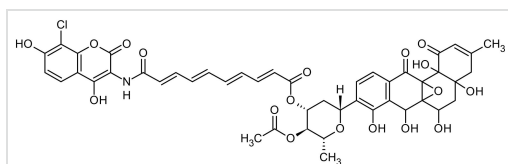
SMILES

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Source

Streptomyces antibioticus

Images



2D chemical structure image of ab144362, Simocyclinone D8,
Topoisomerase I and II inhibitor

Chemical Structure - Simocyclinone D8,
Topoisomerase I and II inhibitor (ab144362)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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