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DATASHEET

Splitomicin

Product overview

Name	Splitomicin
Cat No	HB4091
Purity	>98%
Description	Potent, selective, cell permeable yeast NAD ⁺ -dependent HDAC Sir2p inhibitor

Biological Data

Biological description	Potent, selective and cell permeable yeast NAD ⁺ -dependent histone deacetylase (HDAC) Sir2p inhibitor. Displays higher activity in vivo than in vitro. Sensitizes mammalian cells to a variety of DNA-damaging agents by abrogating Sir2p activity on p53. Acts by either altering or blocking access to the acetylated histone binding pocket. Shown to have diverse effects also in mammalian cells.
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Solubility & Handling

Storage instructions	+4 °C
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

Chemical name	1,2-Dihydro-3H-naphtho[2,1-b]pyran-3-one
Molecular Weight	198.2
Chemical structure	

Molecular Formula	C ₁₃ H ₁₀ O ₂
CAS Number	5690-03-9
PubChem identifier	5269
SMILES	<chem>O=C1CCC2=C(O1)C=CC1=CC=CC=C21</chem>
InChiKey	ISFPDBUKMJDAJH-UHFFFAOYSA-N
Appearance	White to off-white solid