

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

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

customercare-usa@m2stage.hellobio.com



DATASHEET

Splitomicin

Product overview

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

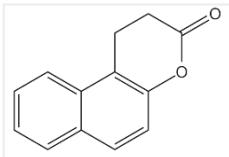
Biological Data

Biological description	Potent, selective and cell permeable yeast NAD+-dependent histone deacetylase (HDAC) Sir2p inhibitor. Displays higher activity <i>in vivo</i> than <i>in vitro</i> . 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.
-------------------------------	--

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	 The chemical structure shows a naphthalene ring fused to a pyran ring. The pyran ring has a carbonyl group at position 3 and an oxygen atom at position 2. The naphthalene ring is substituted with a double bond between the 1 and 2 positions.
Molecular Formula	C ₁₃ H ₁₀ O ₂
CAS Number	5690-03-9
PubChem identifier	5269
SMILES	O=C1CCC2=C(O1)C=CC1=CC=CC=C2
InChiKey	ISFPDBUKMJDAJH-UHFFFAOYSA-N
Appearance	White to off-white solid