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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.

## **Solubility & Handling**

Storage instructions +4°C

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**

Chemical name Molecular Weight Chemical structure

1,2-Dihydro-3H-naphtho[2,1-b]pyran-3-one 198.2

Molecular Formula C<sub>13</sub>H<sub>10</sub>O<sub>2</sub> CAS Number 5690-03-9
PubChem identifier 5269

SMILES O=C1CCC2=C(O1)C=CC1=CC=CC21
InChiKey ISFPDBUKMJDAJH-UHFFFAOYSA-N
Appearance White to off-white solid