



Datasheet for ABIN7233294

Splitomicin[Go to Product page](#)

1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: SIRT1 inhibitor

Characteristics: Initially shown to inhibit Sir2p (the yeast Sirt1 homolog) and create a conditional phenocopy of a sir2 deletion mutant in *S. cerevisiae*. Cells grown in the presence of the drug have silencing defects at telomeres, silent mating-type loci and the ribosomal DNA. Inhibits all class III HDACs (sirtuins) and alleviates gene silencing in Fragile X mental retardation syndrome. Reverses ischemic preconditioning-induced cardioprotection in a mouse model.

Purity: >98 %

Chemical Name: 1,2-Dihydro-3H-naphtho[2,1-b]pyran-3-one

Formula: C₁₃H₁₀O₂

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Target Details

Background: Splitomicin, Epigenetics, Protein deacetylase, Ischemia, Heart disease, Posttranslational modification, Chromatin

Molecular Weight: 198.22

CAS-No: 5690-03-9

Application Details

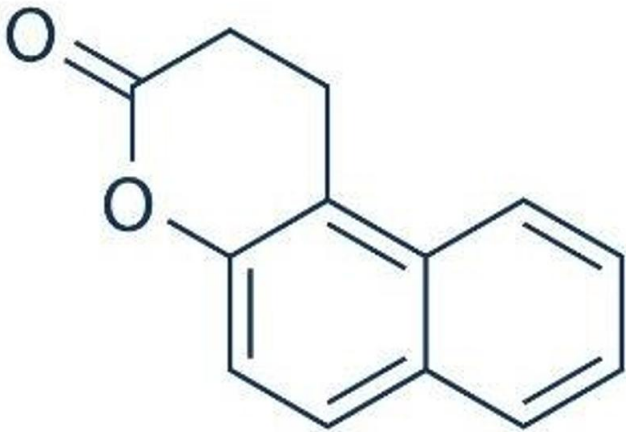
Restrictions: For Research Use only

Handling

Format: Powder

Storage: RT

Images



Molecule

Image 1. /