

Salermide, SIRT1&2 inhibitor

Catalog	Unit
TBI1514 - 5MG	5 mg
TBI1514 - 25MG	25 mg

Product Details

Formal Name: N-[3-[[[(2-Hydroxy-1-naphthalenyl)methylene]amino]phenyl]- α -methylbenzeneacetamide

Molecular Formula: C₂₆H₂₂N₂O₂

Formula Weight: 394.47

CAS Number: 1105698-15-4

Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 40 mg/ml), in DMF (up to 30 mg/ml) or in Ethanol (up to 10 mg/ml with warming)

Storage: -20°C

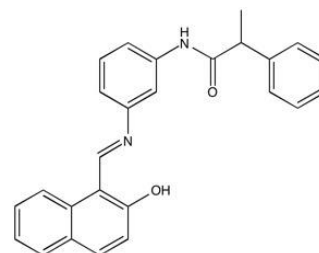
Stability: \geq 2 years.

Applications

SIRT1&2 inhibitor

Functions

Salermide (1105698-15-4) is a SIRT1 and SIRT2 inhibitor. Exhibits a stronger inhibitory effect on SIRT2 than on SIRT1 in vitro. Induces the reactivation of proapoptotic genes repressed by SIRT1 and causes massive apoptosis in cancer cells within 24 hours. Displays protective effect in nematodes expressing muscular dystrophy protein. Promotes neuronal apoptosis confirming the protective effect of SIRT1.



Application Procedures

First dissolved in DMSO (up to 40 mg/ml), in DMF (up to 30 mg/ml) or in Ethanol (up to 10 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO, DMF or ethanol may be stored at -20°C for up to 1 month.

For research use only.