

Sirtinol, SIRT inhibitor

Catalog	Unit
TBI1336-5MG	5 mg
TBI1336-25MG	25 mg

Product Details

Formal Name: 2-[(2-Hydroxynaphthalen-1-ylmethylene)amino]-N-(1-phenethyl)benzamide

Molecular Formula: C₂₆H₂₂N₂O₂

Formula Weight: 394.50

CAS Number: 410536-97-9

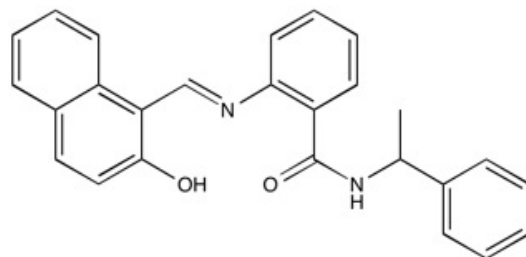
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 10 mg/ml).

Storage: -20°C / protect from light

Stability: ≥ 1 year.



Applications

SIRT inhibitor

Functions

Selective sirtuin inhibitor which does not effect HDAC1, IC₅₀ = 131, 38 and 68 μM for SIRT1, SIRT2 and Sir2P respectively. Induces apoptotic and autophagic cell death in MCF-7 human breast cancer cells. Suppresses survivin expression which correlates with decreased viability in HT29 colon cancer cells. Displays pro-inflammatory effects in adipocytes. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

For research use only.