

Scriptaid, HDAC inhibitor

Catalog	Unit
TBI2712-5MG	5 mg
TBI2712-25MG	25 mg

Product Details

Formal Name: 6-(1,3-Dioxo-1H,3H-benzo[de]isoquinolin-2-yl)-N-hydroxyhexanamide

Alternate Names: Scriptide; GCK1026

Molecular Formula: C₁₈H₁₈N₂O₄

Formula Weight: 326.35

CAS Number: 287383-59-9

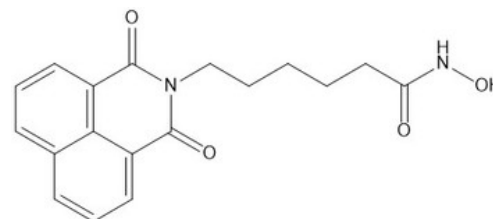
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 4 mg/ml)

Storage: RT

Stability: ≥ 2 years.



Applications

HDAC inhibitor

Functions

Inhibits histone deacetylases (HDAC) 1 and 3 (IC₅₀~0.6 μM) and HDAC8 (IC₅₀~1 μM) and is less toxic compared to trichostatin A. Induces cell cycle arrest and epigenetic changes in colon cancer cells. Together with DRB-inhibition of RNA synthesis, scriptaid enhances gene reprogramming in somatic cell nuclear transfer (SCNT) embryos. Increases exercise endurance in mice.

Application Procedures

First dissolved in DMSO (up to 4 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 2 months.

For research use only.