

Catalog	Unit
TBI2131-5MG	5 mg
TBI2131-25MG	25 mg

Product Details

Alternate Names: Entinostat

Molecular Formula: C₂₁H₂₀N₄O₃

Formula Weight: 376.42

CAS Number: 209783-80-2

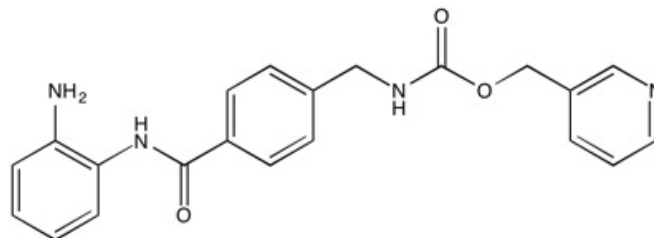
Purity: >98%

Formulation: powder

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

Storage: -20°C

Stability: ≥ 1 year.



Applications

HDAC inhibitor

Functions

Potent HDAC inhibitor. Selective for HDAC1 (IC₅₀ = 300 nM) over HDAC3 (IC₅₀ = 8 μM) and HDAC8 (IC₅₀ > 100 μM). In vivo, MS-275 has been shown to inhibit tumor growth via induction of the tumor suppressors p21WAF1/CIP1 and gelsolin and to block cell proliferation in a variety of cancer cell lines. The compound has also shown significant anti-rheumatic activity in rat and mouse arthritis models.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 week.

For research use only.