

RIPA-56, RIP1 inhibitor (more potent than 7-Cl-Nec1)

Catalog	Unit
TBI4611-10MG	10 mg
TBI4611-50MG	50 mg

Product Details

Formal Name: N-Benzyl-N-hydroxy-2,2-dimethylbutanamide

Molecular Formula: C₁₃H₁₉NO₂

Formula Weight: 221.30

CAS Number: 1956370-21-0

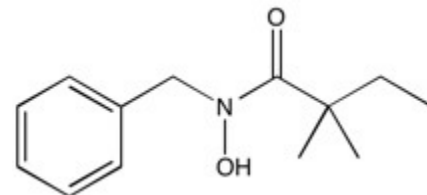
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 50 mg/ml) or in Ethanol (up to at least 50 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

RIP1 inhibitor (more potent than 7-Cl-Nec1)

Functions

RIPA-56 is a potent (IC₅₀ = 13 nM, EC₅₀ = 28nM for HT-29 cells) and selective inhibitor of Receptor-Interacting Protein 1 (RIP1) kinase with significant metabolic stability (t_{1/2} = 128min human liver microsomal stability assay). RIPA-56 showed excellent kinase selectivity and did not inhibit IDO at 200 μM.

Application Procedures

First dissolved in DMSO (up to at least 50 mg/ml) or in Ethanol (up to at least 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.