

Apicidin, HDAC inhibitor

Catalog	Unit
TBI2057 - 1MG	1 mg
TBI2057 - 5MG	5 mg

Product Details

Formal Name: Cyclo[(2S)-2-amino-8-oxodecanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(2R)-2-piperidinexcarbonyl]

Molecular Formula: C₃₄H₄₉N₅O₆

Formula Weight: 623.78

CAS Number: 183506-66-3

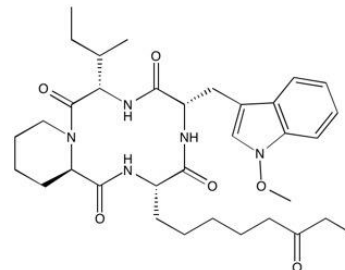
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 1 mg/ml)

Storage: -20°C, Compound is prone to oxidation. Protect from exposure to air.

Stability: ≥ 2 years.



Applications

HDAC inhibitor

Functions

Apicidin (183506-66-3) is a fungal toxin that is a potent, cell permeable inhibitor of histone deacetylases (HDAC's). It also displays antitumor properties by inducing changes in p21WAF1/Cip1 and gelsolin gene expression causing cell cycle arrest in the G₁ phase. Apicidin dramatically decreases HIF-1α protein levels and transcriptional activity in human and mouse tumor cell lines.

Application Procedures

First dissolved in DMSO (up to 1 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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