

Marimastat, MMP inhibitor

Catalog	Unit
TBI4116-5MG	5 mg
TBI4116-25MG	25 mg

Product Details

Formal Name: (2R,3S)-N-[(2S)-3,3-Dimethyl-1-(methylamino)-1-oxobutan-2-yl]-N',3-dihydroxy-2-(2-methylpropyl)butanediamide

Alternate Name: BB-2516

Molecular Formula: C₁₅H₂₉N₃O₅

Formula Weight: 331.4

CAS Number: 154039-60-8

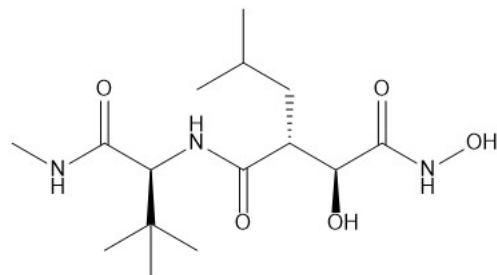
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

MMP inhibitor

Functions

Orally bioavailable inhibitor of matrix metalloproteinases (IC₅₀'s: MMP-1 = 5 nM, MMP-2 = 6 nM, MMP-3 = 200 nM, MMP-7 = 20 nM, MMP-8 = 2 nM, MMP-9 = 3 nM, MMP-14 = 1.8 nM). It has been used to alter the extracellular matrix of the tumor microenvironment in various liposomal and nano-platforms along with other therapeutic agents.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.