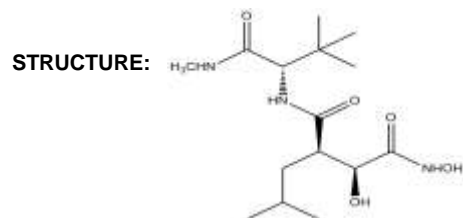


Marimastat

ALTERNATE NAME: (2*S*,3*R*)-*N*4-[(1*S*)-2,2-Dimethyl-1-[(methylamino)carbonyl]propyl]-*N*1,2-dihydroxy-3-(2-methylpropyl)butanediamide; BB-2516; TA-2516; Marimistat

CATALOG #: 1790-1,5

AMOUNT: 1 mg, 5 mg



MOLECULAR FORMULA: C₁₅H₂₉N₃O₅

MOLECULAR WEIGHT: 331.41

CAS NUMBER: 154039-60-8

APPEARANCE: White solid

SOLUBILITY: DMSO (100 mM)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A broad spectrum matrix metalloprotease (MMP) inhibitor with IC₅₀ values of 3, 5, 6, 9 and 13 nM for MMP-9, MMP-1, MMP-2, MMP-14 and MMP-7 respectively. It covalently binds to the zinc(II) ion in the active site of MMPs, thereby inhibiting the action of MMPs, inducing extracellular matrix degradation, and inhibiting angiogenesis, tumor growth and invasion, and metastasis.

REFERENCE: Rasmussen, H.S., and McCann, P.P. (1997). *Pharmacol. Ther.* **75**, 69-75.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- AEBSF, HCl (**Cat. No. 1644-200, 1G**)
- Aprotinin (**Cat. No. 4690-5, 100, 1000**)
- Batimastat (**Cat. No. 1704-1**)
- E-64 (**Cat. No. 1739-5, 25**)
- *clasto*-Lactacystin-β-lactone (**Cat. No. 1710-100**)
- Lactacystin (**Cat. No. 1709-200**)
- Leupeptin, Hemisulfate (**Cat. No. 1648-25, 50, 100**)
- MG-132 (**Cat. No. 1703-5**)
- Nafamostat Mesylate (**Cat. No. 1760-10, 50**)
- PMSF (**Cat. No. 1548-5**)
- Pepstatin A (**Cat. No. 1732-25, 100**)