

Marimastat

Cat. No. CEI-0575

Lot. No. (See product label)

Introduction

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.

Synonyms BB-2516; TA-2516; Marimistat

Product Information

Appearance White crystalline solid

CAS No. 154039-60-8

Molecular Formula C₁₅H₂₉N₃O₅

Chemical Name (2S,3R)-N4-[(1S)-2,2-Dimethyl-1-[-[(methylamino)carbonyl]propyl]-N1,2-dihydroxy-3-(2-methylpropyl)butanediamide

Molecular Weight 357.41

Purity >99% by HPLC

Targets MPTP

Solubility DMSO (25 mg/ml) or H₂O (20 mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions RT