

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