

## 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** C<sub>15</sub>H<sub>29</sub>N<sub>3</sub>O<sub>5</sub>

**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 H<sub>2</sub>O (20 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** RT