Marimastat ab141276

1 References

Overview

Product name
Marimastat

Description
Potent matrix metalloproteinase inhibitor

Biological description
Potent matrix metalloproteinase inhibitor. Broad-spectrum inhibitor of all major MMPs. Prevents or reduces spread and growth of tumors.

Purity
> 98%

Properties

Chemical name
(2S,3R)-N\(^4\)-[(1S)-2,2-Dimethyl-1-[(methylamino)carbonyl]propyl]-N\(^1\),2-dihydroxy-3-(2-methylpropyl)butanediamide

Molecular weight
331.41

Chemical structure

![Chemical structure](image)

Molecular formula
C\(_{15}\)H\(_{29}\)N\(_3\)O\(_5\)

CAS Number
154039-60-8

PubChem identifier
119031

Storage instructions
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview
Soluble in DMSO to 100 mM and in ethanol to 50 mM

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
O[C@H][C@@H]([C@H]([C(C)C]C(=O)N[C@H]([C(=O)NC]C(C)(C)C)(C)(C)C(=O)NO}
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