Overview

Product name: Temsirolimus (CCI779), mTORC1 complex inhibitor

Description: Selective mTORC1 complex inhibitor (IC50 = 1.76 µM)

Biological description: Selective mTORC1 complex inhibitor (IC50 = 1.76 µM). Water-soluble rapamycin (ab120224) pro-drug. Rapidly converts to rapamycin in vivo. Inhibits proliferation and angiogenesis and induces apoptosis and autophagy in vivo.

Purity: > 98%

CAS Number: 162635-04-3

Chemical structure:

![Chemical structure of Temsirolimus](image)

Properties


Molecular weight: 1030.29

Molecular formula: C56H87NO16

PubChem identifier: 6918289

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

Solubility overview: Soluble in ethanol to 100 mM and in DMSO to 100 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.

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Source
Synthetic

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS”

Our Abpromise to you: Quality guaranteed and expert technical support

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