Overview

Product name: Clarithromycin

Description: Macrolide antibiotic

Biological description: Macrolide antibiotic. Interferes with protein synthesis by reversibly binding to the 50S subunit in the bacterial ribosome. Regulates matrix metalloprotease activity. Bacteriostatic and bactericidal effects \textit{in vitro} and \textit{in vivo}.

Purity: > 98%

Properties


Molecular weight: 747.96

Chemical structure:

![Chemical structure of Clarithromycin](image)

Molecular formula: \(C_{38}H_{69}NO_{13}\)

CAS Number: 81103-11-9

PubChem identifier: 84029

Storage instructions: Store at +4°C. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO 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 week. 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

CN(C)(C@@H)3C[C@@H](C)O[C@@H](O)[C@@H]2[C@@H](C)C[C@@H](O[C@H]1C[C@@H](C)OC)(C@@H)(O)

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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