Product datasheet

Clarithromycin ab141202

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Clarithromycin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Macrolide antibiotic</td>
</tr>
<tr>
<td>Biological description</td>
<td>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 in vitro and in vivo.</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt; 98%</td>
</tr>
</tbody>
</table>

Properties

| Molecular weight     | 747.96         |
| Chemical structure   | [Image of chemical structure] |
| 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)[C@@H](C)O[C@@H](O[C@@H]2[C@@H](C)O[C@@H](O[C@@H]1C[C@@H](C)(OC)[C@@H](O)[C@H](C)O1)[C@@H](C)C(=O)[C@H](CC)[C@@H](C)(O)[C@H](O)[C@@H](C)C(=O)[C@H](C)C[C@@H]2(C)OC)[C@@H]3O

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”

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- We investigate all quality concerns to ensure our products perform to the highest standards

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