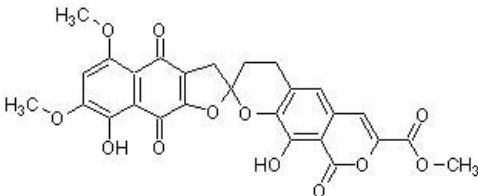


Product datasheet

beta-Rubromycin, HIV-1 reverse transcriptase inhibitor  
ab144349

1 Image

Overview

<b>Product name</b>	beta-Rubromycin, HIV-1 reverse transcriptase inhibitor
<b>Description</b>	Antibiotic agent. Selective, reversible HIV-1 reverse transcriptase inhibitor. Telomerase inhibitor.
<b>Biological description</b>	Antibiotic agent. Selective, reversible HIV-1 reverse transcriptase inhibitor. Shows equipotent template-primer competitive, TTP non-competitive RT inhibition as $\gamma$ -rubromycin ( <a href="#">ab144350</a> ). Telomerase inhibitor (IC <sub>50</sub> = 1.3 $\mu$ M, human telomerase). Shows antibacterial and cytostatic effects.
<b>Purity</b>	> 98%
<b>CAS Number</b>	27267-70-5
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	Methyl (2S)-8',10-dihydroxy-5',7'-dimethoxy-4',9,9'-trioxospiro[3,4-dihydropyrano[4,3-g]chromene-2,2'-3H-benzof[1]benzofuran]-7-carboxylate
<b>Molecular weight</b>	536.44
<b>Molecular formula</b>	C <sub>27</sub> H <sub>20</sub> O <sub>12</sub>
<b>PubChem identifier</b>	5464074
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Handling</b>	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 <a href="#">frequently asked questions</a>

(FAQ) page for more details.

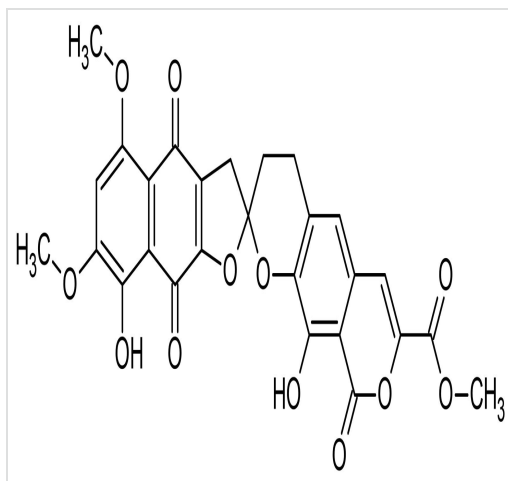
## SMILES

COC1=CC(=C(C2=C1C(=O)C3=C(C2=O)O[C@]4(C3)CCC5=C(O4)C(=C6C(=C5)C=C(OC6=O)C(=O)OC)O)OC

## Source

*Streptomyces sp.*

## Images



2D chemical structure image of ab144349, beta-Rubromycin, HIV-1 reverse transcriptase inhibitor

Chemical Structure - beta-Rubromycin, HIV-1 reverse transcriptase inhibitor (ab144349)

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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