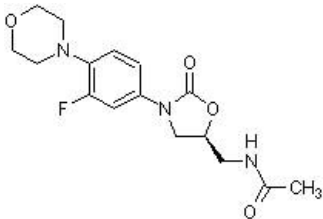


Product datasheet

Linezolid, Protein synthesis inhibitor ab141991

1 Image

Overview

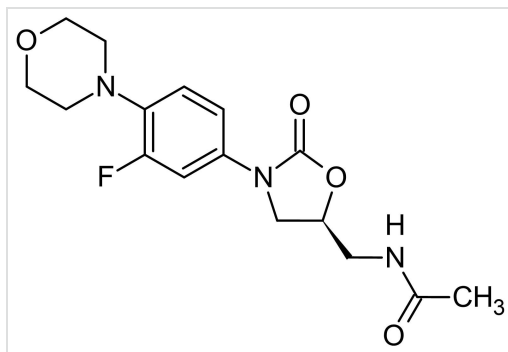
<b>Product name</b>	Linezolid, Protein synthesis inhibitor
<b>Description</b>	Protein synthesis inhibitor. Potent oxazolidinone antibiotic.
<b>Biological description</b>	Protein synthesis inhibitor. Inhibits bacterial translation by preventing the formation of the tRNA <sup>Met</sup> -mRNA-70S (or 30S) subunit ternary complex. Potent synthetic antibiotic active against a variety of multi-drug resistant gram-positive bacteria <i>in vitro</i> and <i>in vivo</i> . Member of the oxazolidinone class of drugs.
<b>Purity</b>	> 99%
<b>CAS Number</b>	165800-03-3
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	N-[[[(5S)-3-(3-fluoro-4-morpholin-4-ylphenyl)-2-oxo-1,3-oxazolidin-5-yl]methyl]acetamide
<b>Molecular weight</b>	337.35
<b>Molecular formula</b>	C <sub>16</sub> H <sub>20</sub> FN <sub>3</sub> O <sub>4</sub>
<b>PubChem identifier</b>	441401
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM and in ethanol to 25 mM
<b>Handling</b>	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>

**SMILES**CC(=O)NCC1CN(C(=O)O1)C2=CC(=C(C=C2)N3CCOCC3)F**Source**

Synthetic

**Images**

2D chemical structure image of ab141991, Linezolid, Protein synthesis inhibitor

Chemical Structure - Linezolid, Protein synthesis inhibitor (ab141991)

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

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