

**Product Name** : Linezolid

**Synonyms** : PNU 100766

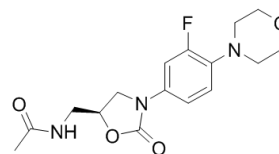
**Cat No.** : M12529

**CAS Number** : 165800-03-3

**Molecular Formula** : C<sub>16</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>4</sub>

**Formula Weight** : 337.35

**Chemical Name** : N-[[[(5S)-3-(3-fluoro-4-morpholin-4-ylphenyl)-2-oxo-1,3-oxazolidin-5-yl]methyl]acetamide



**Description** : Linezolid is a synthetic antibiotic, the first of the oxazolidinone class, used for the treatment of infections caused by multi-resistant bacteria including streptococcus and methicillin-resistant Staphylococcus aureus (MRSA). The drug works by inhibiting the initiation of bacterial protein synthesis.

**Pathway** : Metabolic Enzyme/Protease

**Target** : MAO

**Receptor** : AOA; AOB

**Solubility** : Ethanol: 8 mg/mL (23.71 mM); DMSO: 67 mg/mL (198.6 mM)

**SMILES** : CC(=O)NC[C@H]1CN(C(=O)O1)C2=CC(=C(C=C2)N3CCOCC3)F

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1.Stevens DL, et al. Expert Rev Anti Infect Ther. 2004 Feb;2(1):51-9.