

Product Name	: Azathramycin
Synonyms	: Azaerythromycin A; Desmethyl Azithromycin
Cat No.	: M15903
CAS Number	: 76801-85-9
Molecular Formula	: C ₃₇ H ₇₀ N ₂ O ₁₂
Formula Weight	: 734.96
Chemical Name	: 1-Oxa-6-azacyclopentadecan-15-one, 13-[(2,6-dideoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,8,10,12,14-hexamethyl-11-[[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylo-hexopyranosyl]oxy]-, (2R,3S,4R,5R,8R,10R,11R,12S,13S,1
Description	: A macrolide antibiotic that effectively inhibits tumor angiogenesis by suppressing VEGFR2-mediated signaling pathways in lung cancer; enhances paclitaxel and cisplatin in non-small cell lung cancer. Bacterial Infection Approved
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Antibiotic
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC[C@@H]1[C@@]([C@H]([C@H](NC[C@@H](C[C@@]([C@H]([C@H]([C@H]([C@H](C(=O)O1)C)O[C@H]2[C@@]([C@H]([C@H](O2)C)O)(C)OC)C)O[C@H]3[C@@H]([C@H]([C@H](C[C@H](O3)C)N(C)C)O)(C)O)C)O)(C)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Li F, et al. Oncol Lett. 2017 Jul;14(1):89-96. | 2. Chu DJ, et al. Genet Mol Res. 2014 Apr 14;13(2):2796-805.

