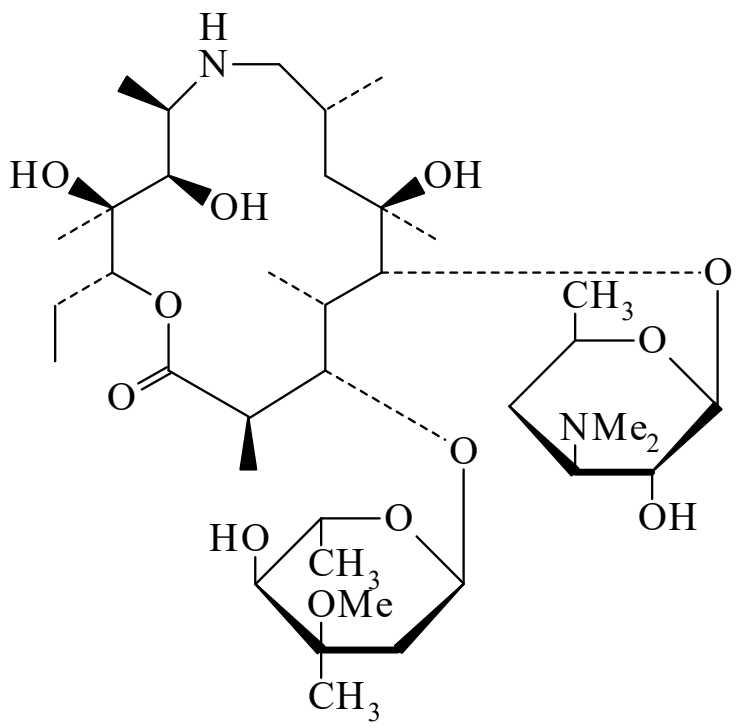
>>**Entry Name: Azathramycin**

Synonym(s): 10-Dihydro-10-deoxo-11-azaerythromycin A



CAS Registry Number: 76801-85-9

Molecular Formula: $C_{37}H_{70}N_2O_{12}$
Molecular Weight: 734.966
Accurate Mass: 734.492878
Percentage Composition: C 60.47%; H 9.60%; N 3.81%; O 26.12%
General Statement: Macrolide antibiotic
Source/Synthesis: Semisynthetic
Use/Importance: Antibacterial agent
Melting Point: Mp 113-116°
Optical Rotation: $[\alpha]_D^{20}$ –33.9 (c, 1 in CH_2Cl_2)
Calculated Log P Data: Log P 0.97 (uncertain value) (calc)

References:

Djokić, S. *et al.*, *J.C.S. Perkin 1*, 1986, 1881, *(synth)*
Djokić, S. *et al.*, *J. Antibiot.*, 1987, **40**, 1006, *(biochem, sar)*
Kovacic-Bosnjak, N. *et al.*, *Chromatographia*, 1988, **25**, 999, *(hplc)*