

Azithromycin dihydrate (BP,EP)

General Properties

Physical form and appearance White or almost white powder

Physical state solid

Form powder

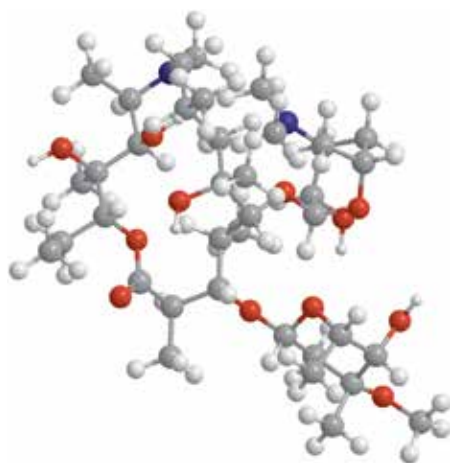
Molecular weight 749

Molecular formula $C_{38}H_{72}N_2O_{12} \cdot 2H_2O$

Identification HPLC

Solubility Practically insoluble in water, freely soluble in anhydrous ethanol and in methylene chloride

Storage Preserve in well-closed containers.



International nonproprietary name (INN)
Azithromycin dihydrate

IUPAC name

(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-11-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy-2-ethyl-3,4,10-trihydroxy-13-[(2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyloxan-2-yl]oxy-3,5,6,8,10,12,14-heptamethyl-1-oxa-6-azacyclopentadecan-15-one; dihydrate

Cas registry No.

83905-01-5

indication

Macrolide antibacterial

structure

