

General Properties

AZITHROMYCIN DIHYDRATE

Description	White or almost white powder
Solubility	Practically insoluble in water, freely soluble in anhydrous ethanol and in methylene chloride
Specific optical rotation	-45° to -49°
pH	9.0 – 11.0
Water content	4.0 -5.0%
Sulphated Ash.	N.M.T 0.2%
Assay (anhydrous substance)	96.0 - 102.0%
Packaging:	20 kg in double polyethylene bags in each carton box.
Storage	Preserve in tight container store below 25°C and dry place
Shelf Life	24 months

The Referred Material Complies with BP & USP

IUPAC Name

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

Molecular Weight: 785.015

Molecular Formula: C₃₈H₇₂N₂O₁₂. 2H₂O

Cas registry NO.: 117772-70-0

Indication:

semisynthetic macrolide antibiotic

Structure

