

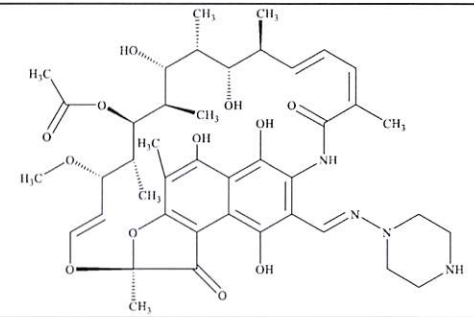
Certificate of Analysis

Certificate No.: 20230711009



Date: July 11, 2023

Retest date: July 5, 2026

Compound Name: <i>N</i> -Desmethyl Rifampicin	
Synonyms:	3-[(1-piperazinylimino)methyl]-Rifamycin
TLC Catalogue Number:	R-2313
CAS Number:	13292-45-0
Molecular Weight:	808.93
Molecular Formula:	C ₄₂ H ₅₆ N ₄ O ₁₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	5709-019A3
Storage Conditions:	Store at 2-8 °C
Solubility:	DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Red solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	97.7%
Impurity (HPLC)	RT 10.45, 0.31%; RT 13.41, 1.10%; RT 13.61, 0.37%	
Residual Solvents (NMR)	1.4% diethyl ether and 0.1% dichloromethane	
Assay (qNMR)	Not less than 90.0%	91.2%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/12/2023
Approved by:	Quality Assurance		07/12/2023

Attachments: HPLC, IR, MS and NMR spectra.