

Molecular Structure



Molecular Formula $C_{43}H_{58}N_4O_{12}$
Molecular Weight 822.95
CAS Registry Number 13292-46-1

Dec 31 2025

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Reddish-brown or brownish-red crystalline powder	Conforms
Solubility	Slightly soluble in water, soluble in methanol, slightly soluble in acetone & in ethanol (96%)	Conforms
Identification	UV, IR, colour reaction	Positive
pH	4.5 ~ 6.5	5.7
Related substances	Rifampicin quinone $\leq 1.5\%$ Any other impurity $\leq 1.0\%$ Sum of impurities other than Rifampicin quinone $\leq 3.5\%$	0.2% 0.6% 2.1%
Loss on drying	$\leq 1.0\%$	0.2%
Sulfated ash	$\leq 0.1\%$	0.03%
Residual solvents	Acetone ≤ 5000 ppm 1-Butanol ≤ 5000 ppm N,N-Dimethylformamide ≤ 880 ppm	136 ppm 3681 ppm ND
Tapped density	-----	0.72 gr/mL
Assay (odb)	97.0 ~ 102.0%	100.0%

Packaging and storage	In an airtight container, protected from light, at a temperature not exceeding 25°C Long term storage: protection with nitrogen filled
Conclusion	Material complies with BP2025