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# Certificate of Analysis

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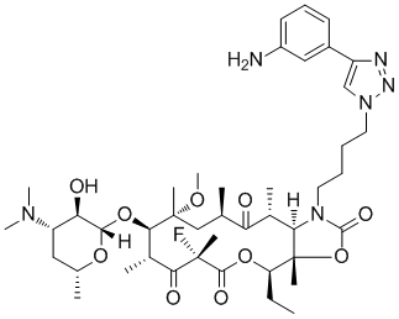
**Product Name** : Solithromycin
**Cat. No.** : PC-45378
**CAS No.** : 760981-83-7
**Batch No.** : PC-4537801
**Chemical Name** : 2H-Oxacyclotetradecino[4,3-d]oxazole-2,6,8,14(1H,7H,9H)-tetrone, 1-[4-[4-(3-aminophenyl)-1H-1,2,3-triazol-1-yl]butyl]-4-ethyl-7-fluorooctahydro-11-methoxy-3a,7,9,11,13,15-hexamethyl-10-[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylo-hexopyranosyl]oxy]-, (3aS,

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 845.0088
**Molecular Formula** : $C_{43}H_{65}FN_6O_{10}$
**Storage** :

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |

**Chemical Structure** :




## ANALYTICAL DATA

**Appearance** : Solid powder
**$^1$H NMR Spectrum** : Consistent with
**HPLC** : Consistent with
**NP** : Consistent with
**Purity (HPLC)** : >98%
**Conclusion** : The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com