



LKT Laboratories, Inc.

3-Formylrifamycin

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Product Information

Product ID R3221

CAS No. 13292-22-3

Chemical Name 2,7-(Epoxy-pentadeca(1,11,13)trienimino)naphtho(2,1-b)furan-8-carboxaldehyde, 1,2-dihydro-5,6,9,17,19,21-hexahydroxy-23-methoxy-2,4,12,16,18,20,22-heptamethyl-1,11-dioxo-, 21-

Synonym Rifamycin SV-3 formyl, 3-Formylrifampicin SV, Rifaldehyde, Rifamycin AF

Formula C₃₈H₄₇NO₁₃

Formula Wt. 725.78

Melting Point 182-184 °C

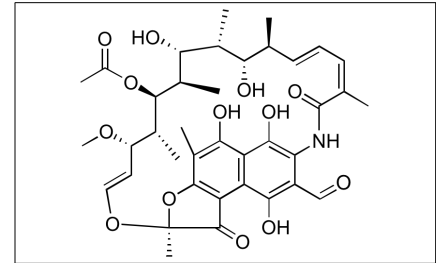
Purity ≥98%

Solubility

Store Temp Ambient

Ship Temp Ambient

Description 3-Formyl rifamycin is a rifamycin derivative antibiotic that induces pore formation in the mitochondrial membrane. Like other ansamycins, this compound is an ansamycin that inhibits DNA-dependent RNA polymerase. 3-Formyl rifamycin displays antibacterial efficacy against *Mycobacterium*.



Bulk quantities available upon request

Product ID	Size
R3221	1 g
R3221	5 g
R3221	10 g

References Nedyalkova Z, Haladjova S, et al. QSAR Modeling of Antimycobacterial Activity and Activity Against Other Bacteria of 3-Formyl Rifamycin SV Derivatives. Mol inform. 2001 Nov;20(4): 298-318.

Sethi VS, Okano P. Interaction of rifamycins with mammalian nucleic acid polymerizing enzymes. Biochim Biophys Acta. 1976 Dec 1;454(2):230-47. PMID: 63293.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.