



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** C<sub>38</sub>H<sub>47</sub>NO<sub>13</sub>

**Formula Wt.** 725.78

**Melting Point** 182-184 °C

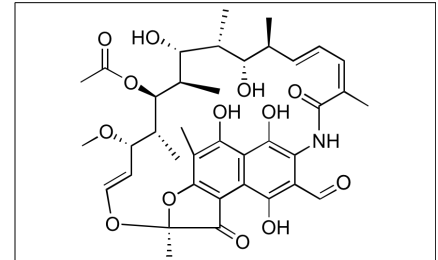
**Purity** ≥98%

**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*.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
R3221	1 g	\$90.80
R3221	5 g	\$339.30
R3221	10 g	\$613.20

**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.