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## DATASHEET

Rifampicin

### Product overview

<b>Name</b>	Rifampicin
<b>Cat No</b>	HB2567
<b>Biological action</b>	Antibiotic
<b>Applications</b>	Plant Culture
<b>Purity</b>	>98%
<b>Description</b>	Antibiotic. Inhibits RNA synthesis.

### Biological Data

<b>Biological description</b>	Antibiotic. Binds to the $\beta$ -subunit of RNA polymerase to inhibit RNA synthesis. Inhibits the assembly of DNA and protein into mature virus particles.
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### Solubility & Handling

<b>Storage instructions</b>	-20°C
<b>Solubility overview</b>	Soluble in DMSO (100 mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	3-[[[4-Methyl-1-piperazinyl]imino]methyl]-rifamycin
<b>Molecular Weight</b>	822.94
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>43</sub> H <sub>58</sub> N <sub>4</sub> O <sub>12</sub>
<b>CAS Number</b>	13292-46-1
<b>PubChem identifier</b>	5381226
<b>SMILES</b>	<chem>C[C@H]1/C=C/C=C(\C(=O)NC\2=C(C3=C(C(=C4C(=C3C(=O)/C2=C/NN5CCN(CC5)C)C(=O)[C@](O4)(O/C=C/[C@@H]([C@H]([C@H]([C@@H]([C@@H]([C@@H]([C@@H]([C@H]1O)C)O)C)OC(=O)C)C)O)C)O)/C</chem>
<b>InChiKey</b>	JQXXHWHPUNPDRT-WLSIYKJHSA-N
<b>MDL number</b>	MFCD00151389
<b>Appearance</b>	Red