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## DATASHEET

### 1-Deoxymannojirimycin hydrochloride (DMM)

#### Product overview

<b>Name</b>	1-Deoxymannojirimycin hydrochloride (DMM)
<b>Cat No</b>	HB4598
<b>Alternative names</b>	DMM
<b>Biological action</b>	Inhibitor
<b>Description</b>	Selective $\alpha$ -mannosidase I inhibitor

#### Biological Data

<b>Biological description</b>	Selective $\alpha$ -mannosidase I inhibitor. Inhibits N-linked glycosylation. Shows antiviral activity.
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#### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in water (50 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>	(2R,3R,4R,5R)-2-(Hydroxymethyl)-3,4,5-piperidinetriol hydrochloride
<b>Molecular Weight</b>	199.63
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> .HCl
<b>CAS Number</b>	73465-43-7
<b>PubChem identifier</b>	11390018
<b>SMILES</b>	C1[C@H]([C@H]([C@@H]([C@H](N1)CO)O)O)O.Cl
<b>InChiKey</b>	ZJIHMAL TJRDN QI-VFQQELCFSA-N
<b>MDL number</b>	MFCD00083611
<b>Appearance</b>	White to off-white