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DATASHEET

1-Deoxymannojirimycin hydrochloride (DMM)

Product overview

Name	1-Deoxymannojirimycin hydrochloride (DMM)
Cat No	HB4598
Alternative names	DMM
Description	Selective α -mannosidase I inhibitor

Biological Data

Biological description	Selective α -mannosidase I inhibitor. Inhibits N-linked glycosylation. Shows antiviral activity.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in water (50 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	(2R,3R,4R,5R)-2-(Hydroxymethyl)-3,4,5-piperidinetriol hydrochloride
Molecular Weight	199.63
Chemical structure	
Molecular Formula	C ₆ H ₁₃ NO ₄ ·HCl
CAS Number	73465-43-7
PubChem identifier	11390018
SMILES	C1[C@H]([C@H]([C@@H]([C@H](N1)CO)O)O)O.Cl
InChiKey	ZJIHMAL TJRDN QI-VFQQELCFSA-N
MDL number	MFCD00083611
Appearance	White to off-white