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DATASHEET

1-Deoxymannojirimycin hydrochloride (DMM)

Product overview

Name 1-Deoxymannojirimycin hydrochloride (DMM)

Cat No **Alternative names** DMM

Description Selective a-mannosidase I inhibitor

Biological Data

Biological description Selective a-mannosidase I inhibitor. Inhibits N-linked glycosylation. Shows antiviral activity.

Solubility & Handling

Solubility overview Soluble in water (50 mM)

Storage instructions +4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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

C₆H₁₃NO₄.HCl Molecular Formula **CAS Number** 73465-43-7 **PubChem identifier** 11390018

C1[C@H]([C@H]([C@GH]([C@H](N1)CO)O)O)O.CI**SMILES**

InChiKey ZJIHMALTJRDNQI-VFQQELCFSA-N

MDL number MFCD00083611 **Appearance** White to off-white