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DATASHEET

1-Deoxynojirimycin (DNJ)

Product overview

Name	1-Deoxynojirimycin (DNJ)
Cat No	HB4599
Biological action	Inhibitor
Description	α -glucosidase inhibitor.

Biological Data

Biological description	α -glucosidase inhibitor. Inhibits glucose absorption and accelerates glucose metabolism.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in water (100 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,5S)-2-(Hydroxymethyl)-3,4,5-piperidinetriol
Molecular Weight	163.17
Chemical structure	
Molecular Formula	C ₆ H ₁₃ NO ₄
CAS Number	19130-96-2
PubChem identifier	29435
SMILES	C1[C@@H]([C@H]([C@@H]([C@H](N1)CO)O)O)O
InChiKey	LXBIFEVIBLOUGU-JGWLITMVSA-N
MDL number	MFCD00063474
Appearance	White to off-white