



Product Information

Leg5Ac7Ac

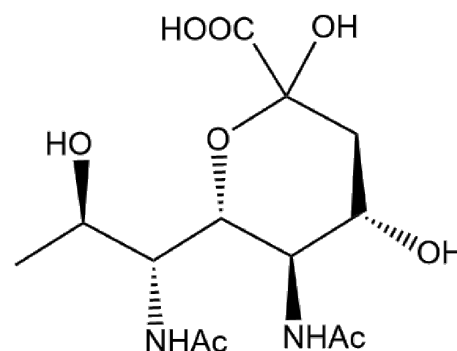
Cat. No.: X24-04-QCY012

Size: 1 mg; 5 mg; 10 mg; 20 mg

Compound CID: 70678967

Synonym: Legionaminic acid; 5,7-Diamino-3,5,7,9-tetradecoxy-D-glycero-D-galactonon-2-ulosonic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Leg5Ac7Ac is a nonulosonic said that is found in cell surface polymers of bacteria.
Molecular Weight	250.25
Molecular Formula	C ₁₃ H ₂₂ N ₂ O ₈
IUPAC Name	(2S,4S,5R,6S)-5-Amino-6-[(1R,2R)-1-amino-2-hydroxypropyl]-2,4-dihydroxyoxane-2-carboxylic acid
InChI	InChI=1S/C9H18N2O6/c1-3(12)5(10)7-6(11)4(13)2-9(16,17-7)8(14)15/h3-7,12-13,16H,2,10-11H2,1H3,(H,14,15)/t3-,4+,5-,6-,7+,9+/m1/s1
InChI Key	ZFZFJUIKYIVPNP-OWTNSLFHSA-N
Canonical SMILES	CC(C(C1C(C(CC(O1)(C(=O)O)O)O)N)N)O
Isomeric SMILES	OC1(C(O)=O)C[C@H](O)[C@@H](NC(C)=O)[C@H]([C@H](NC(C)=O)[C@@H](C)O)O1
Form	Powder
Purity	>95%
Identity	Confirmed by ¹ H NMR.
Applications	Leg5Ac7Ac can be used as a standard for glycan analysis.
Storage	Store at -20°C.