

Product Information

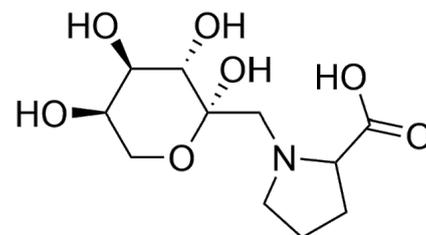
N-(1-Deoxy-D-fructos-1-yl)-L-proline

Cat. No.: X22-07-ZQ436

Size: 25 mg; 50 mg; 100 mg

CAS Number: 29118-61-4

Synonym: 29118-61-4; 1-Deoxy-1-L-prolino-D-fructose; *N*-(1-Deoxy-D-fructosyl)-L-proline; (2*S*)-1-[(3*S*,4*R*,5*R*)-3,4,5,6-tetrahydroxy-2-oxohexyl]pyrrolidine-2-carboxylic acid



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

Product Information

Molecular Weight	277.27
Molecular Formula	C ₁₁ H ₁₉ NO ₇
InChI	InChI=1S/C11H19NO7/c13-5-8(15)10(17)9(16)7(14)4-12-3-1-2-6(12)11(18)19/h6,8-10,13,15-17H,1-5H2,(H,18,19)/t6-,8+,9+,10+/m0/s1
InChI Key	QQBMYMKLRZUCDK-JZKKDOLYSA-N
Canonical SMILES	C1CC(N(C1)CC(=O)C(C(C(CO)O)O)O)C(=O)O
Isomeric SMILES	C1C[C@H](N(C1)CC(=O)[C@H]([C@@H]([C@@H]([C@@H](CO)O)O)O)C(=O)O
Form	Powder
Purity	95%, determined by HPLC.
Applications	<i>N</i> -(1-Deoxy-D-fructos-1-yl)-L-proline can be used in the synthesis of peptide.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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