

## Product Information

### *N*-(1-Deoxy-D-fructos-1-yl)-L-phenylalanine

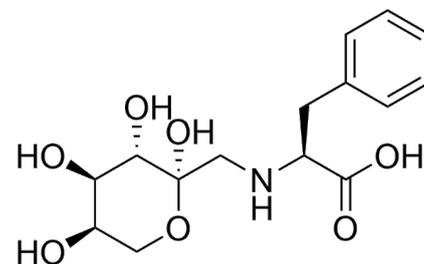
**Cat. No.:** X22-07-ZQ432

**Size:** 25 mg; 50 mg; 100 mg

**CAS Number:** 31105-03-0

**Synonym:** 31105-03-0; Fructose-phenylalanine;

(2*S*)-3-Phenyl-2-[[[(3*S*,4*R*,5*R*)-3,4,5,6-tetrahydroxy-2-oxohexyl]amino]propanoic acid



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

#### Product Information

<b>Molecular Weight</b>	327.33
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>21</sub> NO <sub>7</sub>
<b>InChI</b>	InChI=1S/C15H21NO7/c17-8-12(19)14(21)13(20)11(18)7-16-10(15(22)23)6-9-4-2-1-3-5-9/h1-5,10,12-14,16-17,19-21H,6-8H2,(H,22,23)/t10-,12+,13+,14+/m0/s1
<b>InChI Key</b>	WZWDUEKBAIXVCC-IGHBLSQSA-N
<b>Canonical SMILES</b>	C1=CC=C(C=C1)CC(C(=O)O)NCC(=O)C(C(C(O)O)O)O
<b>Isomeric SMILES</b>	C1=CC=C(C=C1)C[C@@H](C(=O)O)NCC(=O)[C@H]([C@@H]([C@@H](CO)O)O)O
<b>Form</b>	Powder
<b>Purity</b>	95%, determined by HPLC.
<b>Applications</b>	<i>N</i> -(1-Deoxy-D-fructos-1-yl)-L-phenylalanine can be used in the synthesis of peptide.
<b>Storage</b>	Store at -20°C.

#### Safety Information

**Personal Protective Equipment** Gloves, eyeshields, N95 mask