



Product Information

6-O-(b-D-Glucopyranosyl)-D-fructose

Cat. No.: X24-04-QCY274

Size: 5 mg; 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 132436-90-9

Compound CID: 101088995

Synonym: 132436-90-9; SCHEMBL21356843

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

Product Information

Description	6-O-(b-D-Glucopyranosyl)-D-fructose is a sugar alcohol compound, a type of polysaccharide, produced by a fermentation process by yeast or other microorganisms.
Molecular Weight	342.3
Molecular Formula	C ₁₂ H ₂₂ O ₁₁
IUPAC Name	(3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i>)-1,3,4,5-Tetrahydroxy-6-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyhexan-2-one
InChI	InChI=1S/C12H22O11/c13-1-4(15)7(17)8(18)5(16)3-22-12-11(21)10(20)9(19)6(2-14)23-12/h5-14,16-21H,1-3H2/t5-,6-,7-,8-,9-,10+,11-,12-/m1/s1
InChI Key	RJPPRBMGVWEZRR-FYKVHUBJSA-N
Canonical SMILES	C(C1C(C(C(C(O1)OCC(C(C(C(=O)CO)O)O)O)O)O)O)O
Isomeric SMILES	C([C@@H]1[C@H]([C@@H]([C@H]([C@@H](O1)OC[C@H]([C@H]([C@@H](C(=O)CO)O)O)O)O)O)O
Form	Powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Applications	6-O-(b-D-Glucopyranosyl)-D-fructose can be used in the development of natural sweeteners in the food and beverage industry.
Storage	Store at -20°C.