



Product Information

4,6-O-Benzylidene-1,3-di-O-methyl- α -D-mannopyranoside, Purity $\geq$ 95%

Cat. No.: X25-01-WXX210

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

MDL: MFCD02683356

CAS Number: 52260-48-7

Compound CID: 13730995

Synonym: 52260-48-7; 4,6-O-Benzylidene-1,3-di-O-methyl- α -D-mannopyranoside;

(4*aR*,6*S*,7*S*,8*R*,8*aR*)-6,8-dimethoxy-2-phenyl-4,4*a*,6,7,8,8*a*-hexahydropyrano[3,2-*d*][1,3]dioxin-7-ol

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

Product Information

Description	4,6-O-Benzylidene-1,3-di-O-methyl- α -D-mannopyranoside is characterized by α -D-mannopyranoside core with benzylidene protection across the 4th and 6th positions.
Molecular Weight	296.32
Molecular Formula	C ₁₅ H ₂₀ O ₆
IUPAC Name	(4 <i>aR</i> ,6 <i>S</i> ,7 <i>S</i> ,8 <i>R</i> ,8 <i>aR</i>)-6,8-dimethoxy-2-phenyl-4,4 <i>a</i> ,6,7,8,8 <i>a</i> -hexahydropyrano[3,2- <i>d</i>][1,3]dioxin-7-ol
InChI	InChI=1S/C15H20O6/c1-17-13-11(16)15(18-2)20-10-8-19-14(21-12(10)13)9-6-4-3-5-7-9/h3-7,10-16H,8H2,1-2H3/t10-,11+,12-,13-,14?,15+/m1/s1
InChI Key	KCXVHILkgUDBTH-UISBESDSSA-N
Canonical SMILES	<chem>COC1C(C(OC2C1OC(OC2)C3=CC=CC=C3)OC)O</chem>
Isomeric SMILES	<chem>CO[C@@H]1[C@@H]([C@H](O[C@H]2[C@H]1OC(OC2)C3=CC=CC=C3)OC)O</chem>
Form	Solid
Purity	$\geq$ 95%
Applications	4,6-O-Benzylidene-1,3-di-O-methyl- α -D-mannopyranoside is an important raw material for synthesizing complex sugar structures and exploring the biological functions of sugars.
Storage	Store at -20°C.