

## Product Information

### 4-Methylumbelliferyl $\alpha$ -D-xylopyranoside

**Cat. No.:** X24-11-LY167

**Size:** 50 mg; 100 mg; 250 mg; 500 mg; 1000 mg

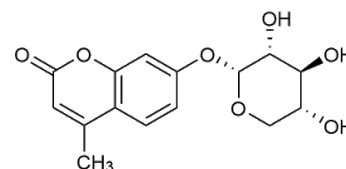
**MDL:** MFCD15144901

**CAS Number:** 1643953-00-7

**Compound CID:** 91658987

**Synonym:** 1643953-00-7; 4-Methylumbelliferyl alpha-d-xylopyranoside

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



#### Product Information

<b>Description</b>	4-Methylumbelliferyl $\alpha$ -D-xylopyranoside is a MU substrate and can be conjugated with many different ligands, including fluorescein, rhodamine B, and umbelliferone.
<b>Molecular Weight</b>	308.28
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>16</sub> O <sub>7</sub>
<b>IUPAC Name</b>	4-Methyl-7-[(2R,3R,4S,5R)-3,4,5-trihydroxyoxan-2-yl]oxychromen-2-one
<b>InChI</b>	InChI=1S/C15H16O7/c1-7-4-12(17)22-11-5-8(2-3-9(7)11)21-15-14(19)13(18)10(16)6-20-15/h2-5,10,13-16,18-19H,6H2,1H3/t10-,13+,14-,15-/m1/s1
<b>InChI Key</b>	JWIYLOHVJDJZQO-AQNFWKISSA-N
<b>SMILES string</b>	CC1=CC(=O)OC2=C1C=CC(=C2)O[C@@H]3[C@@H]([C@H]([C@@H](CO3)O)O)O
<b>Form</b>	Powder
<b>Purity</b>	≥98%, determined by HPLC.
<b>Identity</b>	Confirmed by NMR.
<b>Applications</b>	4-Methylumbelliferyl $\alpha$ -D-xylopyranoside can be used to detect the presence of alkaline phosphatase.
<b>Storage</b>	Store at -20°C.