CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
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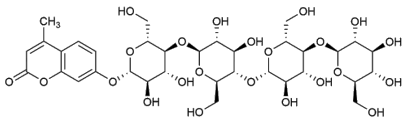
Product Information

4-Methylumbelliferyl b-D-cellotetraoside



Cat. No.: X24-11-LY506

Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

MDL: MFCD28064281

CAS Number: 84325-19-9

Compound CID: 71750684

Synonym: 84325-19-9;
7-[(2*S*,4*R*,5*S*)-5-[(2*S*,4*R*,5*S*)-5-[(2*S*,4*R*,5*S*
)-3,4-Dihydroxy-6-(hydroxymethyl)-5-[(2*S*,4*S*,5*S*
)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyoxan-2-yl]oxy-3,4-dihydroxy-6-(hydr
oxymethyl)oxan-2-yl]oxy-3,4-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-methylchro
men-2-one; 4-Methyl-2-*oxo*-2*H*-1-benzopyran-7-yl beta-D-threo-hexopyranosyl-(1->4)-
beta-D-threo-hexopyranosyl-(1->4)-beta-D-threo-hexopyranosyl-(1->4)-beta-D-threo-
hexopyranoside

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

Product Information

Description	4-Methylumbelliferyl b-D-cellotetraoside is a MU substrate for β-glucuronidase.
Molecular Weight	824.73
Molecular Formula	$C_{34}H_{48}O_{23}$
IUPAC Name	7-[(2*S*,4*R*,5*S*)-5-[(2*S*,4*R*,5*S*)-5-[(2*S*,4*R*,5*S*)-3,4-Dihydroxy-6-(hydroxymethyl)-5-[(2*S*,4*S*,5*S*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyoxan-2-yl]oxy-3,4-dihydroxy-6-(hydroxymethyl)oxa n-2-yl]oxy-3,4-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-methylchromen-2-one
InChI	InChI=1S/C34H48O23/c1-10-4-18(39)50-13-5-11(2-3-12(10)13)49-31-25(46)21(42)28(15(7-36)52-31)56-33-27(48)23(44)30(17(9-38)54-33)57-34-26(47)22(43)29(16(8-37)53-34)55-32-24(45)20(41)19(40)14(6-35)51-32/h2-5,14-17,19-38,40-48H,6-9H2,1H3/t14?,15?,16?,17?,19-,20+,21-,22-,23-,24?,25?,26?,27?,28-,29-,30-,31-,32+,33+,34+/m1/s1
InChI Key	VLSZKXHJJYJMLH-VTVLNYHISA-N
SMILES string	CC1=CC(=O)OC2=C1C=CC(=C2)O[C@H]3C([C@H]([C@@H](C(O3)CO)O[C@H]4C([C@H]([C@@H](C(O4)CO)O[C@H]5C([C@H]([C@@H](C(O5)CO)O[C@H]6C([C@H]([C@@H](C(O6)CO)O)O)O)O)O)O)O)O)O

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Form	Powder
Purity	≥97%, determined by TLC.
Identity	Confirmed by NMR.
Melting Point	275-277°C
Boiling Point	1,148.70°C
Applications	4-Methylumbelliferyl b-D-cellotetraoside can be used as a ligand in diagnostic applications.
Storage	Store at 4°C.