



Product Information

(4-Nitrophenyl)- β -D-cellopentaoside, Purity \geq 95%

Cat. No.: X25-01-WXX529

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

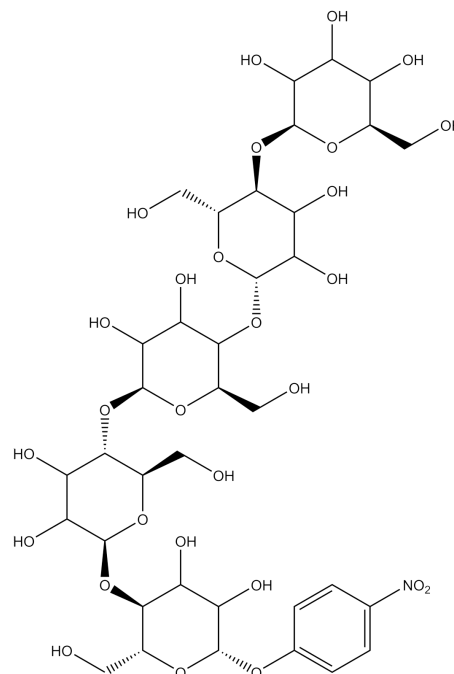
MDL: MFCD00133735

CAS Number: 129411-63-8

Compound CID: 5067795

Synonym: 129411-63-8; 2-[6-[6-[6-[4,5-dihydroxy-2-(hydroxymethyl)-6-(4-nitrophenoxy)oxan-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-6-(hydroxymethyl)oxane-3,4,5-triol

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



Product Information

Description	(4-Nitrophenyl)- β -D-cellopentaoside is comprised of a nitrophenyl group attached to a cellulose fragment with five glucose units.
Molecular Weight	949.81
Molecular Formula	C ₃₆ H ₅₅ NO ₂₈
IUPAC Name	2-[6-[6-[6-[4,5-dihydroxy-2-(hydroxymethyl)-6-(4-nitrophenoxy)oxan-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-6-(hydroxymethyl)oxane-3,4,5-triol
InChI	InChI=1S/C36H55NO28/c38-5-12-17(43)18(44)23(49)33(57-12)62-29-14(7-40)59-35(25(51)20(29)46)64-31-16(9-42)61-36(27(53)22(31)48)65-30-15(8-41)60-34(26(52)21(30)47)63-28-13(6-39)58-32(24(50)19(28)45)56-11-3-1-10(2-4-11)37(54)55/h1-4,12-36,38-53H,5-9H2
InChI Key	YXGBAQKCCMQLGH-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC=C1[N+](=O)[O-])OC2C(C(C(C(O2)CO)OC3C(C(C(C(O3)CO)OC4C(C(C(C(O4)CO)OC5C(C(C(C(O5)CO)OC6C(C(C(C(O6)CO)O)O)O)O)O)O)O)O)O
Form	Solid
Purity	\geq 95%
Applications	(4-Nitrophenyl)- β -D-cellopentaoside is used as a substrate to assess the activity of cellulases, enzymes that degrade cellulose.



Storage

Store at -20°C.
