

Product Information

Agaroheptose, Purity≥95%

Cat. No.: X25-01-WXX293

Size: 10 mg; 20 mg; 50 mg; 100 mg

CAS Number: 852690-25-6

Compound CID: 54758596

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

Product Information

Description	Agaroheptose is an oligosaccharide, consisting of seven sugar units.
Molecular Weight	1098.95
Molecular Formula	C ₄₂ H ₆₆ O ₃₃
IUPAC Name	(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-4-[[[(1 <i>S</i> ,3 <i>S</i> ,4 <i>S</i> ,5 <i>S</i> ,8 <i>R</i>)-8-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-4-[[[(1 <i>S</i> ,3 <i>S</i> ,4 <i>S</i> ,5 <i>S</i> ,8 <i>R</i>)-8-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,5-dihydroxy-6-(hydroxymethyl)-4-[[[(1 <i>S</i> ,3 <i>S</i> ,4 <i>S</i> ,5 <i>S</i> ,8 <i>R</i>)-4-hydroxy-8-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-2,6-dioxabicyclo[3.2.1]octan-3-yl]oxy]oxan-2-yl]oxy-4-hydroxy-2,6-dioxabicyclo[3.2.1]octan-3-yl]oxy]-3,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-4-hydroxy-2,6-dioxabicyclo[3.2.1]octan-3-yl]oxy]-6-(hydroxymethyl)oxane-2,3,5-triol
InChI	InChI=1S/C42H66O33/c43-1-8-15(47)19(51)20(52)37(64-8)70-27-12-5-60-33(27)25(57)41(68-12)74-31-17(49)10(3-45)66-39(22(31)54)72-29-14-7-62-35(29)26(58)42(69-14)75-32-18(50)11(4-46)65-38(23(32)55)71-28-13-6-61-34(28)24(56)40(67-13)73-30-16(48)9(2-44)63-36(59)21(30)53/h8-59H,1-7H2/t8-,9-,10-,11-,12+,13+,14+,15+,16+,17+,18+,19+,20-,21-,22-,23-,24+,25+,26+,27-,28-,29-,30+,31+,32+,33+,34+,35+,36-,37+,38+,39+,40+,41+,42+/m1/s1
InChI Key	FDJBFZNASCYAIJ-MGMSNSSYSA-N
Canonical SMILES	C1C2C(C(O1)C(C(O2)OC3C(C(OC(C3O)OC4C5COC4C(C(O5)OC6C(C(OC(C6O)OC7C8COC7C(C(O8)OC9C(C(OC(C9O)O)CO)O)O)CO)O)O)CO)O)O)OC1C(C(C(C(O1)CO)O)O)O
Isomeric SMILES	C1[C@H]2[C@H]([C@@H](O1)[C@@H]([C@@H](O2)O[C@H]3[C@H]([C@H](O[C@H]([C@@H]3O)O[C@@H]4[C@@H]5CO[C@H]4[C@@H]([C@@H](O5)O[C@H]6[C@H]([C@H](O[C@H]([C@@H]6O)O[C@@H]7[C@@H]8CO[C@H]7[C@@H]([C@@H](O8)O[C@H]9[C@H]([C@H](O[C@H]([C@@H]9O)O)CO)O)O)CO)O)O)CO)O)O)O[C@H]1[C@@H]([C@H]([C@H]([C@H](O1)CO)O)O)O
Form	Solid
Purity	≥95%
Applications	Agaroheptose is used as a food additive and functional ingredient in the food industry.
Storage	Store at -20°C.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com
