



Product Information

Heptakis(2,6-di-O-methyl)- β -cyclodextrin

Cat. No.: XGB0549

Size: 1 g; 5 g

MDL: MFCD00011616

CAS Number: 51166-71-3

PubChem Substance ID: 24895404

NACRES: NA.22

Synonym: 2,6-Di-O-methyl- β -cyclodextrin, Dimethyl β -cyclodextrin

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

Product Information

Molecular Weight	1331.36
Empirical Formula	C ₅₆ H ₉₈ O ₃₅
InChI	1S/C ₅₆ H ₉₈ O ₃₅ /c1-64-15-22-36-29(57)43(71-8)50(78-22)86-37-23(16-65-2)80-52(45(73-10)30(37)58)88-39-25(18-67-4)82-54(47(75-12)32(39)60)90-41-27(20-69-6)84-56(49(77-14)34(41)62)91-42-28(21-70-7)83-55(48(76-13)35(42)63)89-40-26(19-68-5)81-53(46(74-11)33(40)61)87-38-24(17-66-3)79-51(85-36)44(72-9)31(38)59/h22-63H,15-21H2,1-14H3/t22-,23-,24-,25-,26-,27-,28-,29+,30+,31+,32+,33+,34+,35+,36-,37-,38-,39-,40-,41-,42-,43-,44-,45-,46-,47-,48-,49-,50-,51-,52-,53-,54-,55-,56-/m1/s1
SMILES string	<chem>COC[C@H]1O[C@@H]2O[C@H]3[C@H](O)[C@@H](OC)[C@H](O[C@@H]3COC)O[C@H]4[C@H](O)[C@@H](OC)[C@H](O[C@@H]4COC)O[C@H]5[C@H](O)[C@@H](OC)[C@H](O[C@@H]5COC)O[C@H]6[C@H](O)[C@@H](OC)[C@H](O[C@@H]6COC)O[C@H]7[C@H](O)[C@@H](OC)[C@H](O[C@@H]7COC)O[C@H]8[C@H](O)[C@@H](OC)[C@H](O[C@@H]8COC)O[C@H]1[C@H](O)[C@H]2OC</chem>
Biological Source	synthetic
Form	powder
Quality Level	200
Applications	Can be used for • physical and chemical research of inclusion compounds • exploring the diffusion and single-molecule interaction with recombinant membrane proteins • researching cell transport, as a cell penetration enhancer

Safety Information



Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
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WGK Germany	WGK 3
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