



Product Information

Octakis (6-O-t-butyldimethylsilyl)- γ -cyclodextrin

Cat. No.: XGB0574

Size: 1 g

MDL: MFCD03452845

PubChem Substance ID: 329773241

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

Product Information

Molecular Weight	2211.21
Empirical Formula	C ₉₆ H ₁₉₂ O ₄₀ Si ₈
InChI	1S/C ₉₆ H ₁₉₂ O ₄₀ Si ₈ /c1-89(2,3)137(25,26)113-41-49-73-57(97)65(105)81(121-49)130-74-50(42-114-138(27,28)90(4,5)6)123-83(67(107)59(74)99)132-76-52(44-116-140(31,32)92(10,11)12)125-85(69(109)61(76)101)134-78-54(46-118-142(35,36)94(16,17)18)127-87(71(111)63(78)103)136-80-56(48-120-144(39,40)96(22,23)24)128-88(72(112)64(80)104)135-79-55(47-119-143(37,38)95(19,20)21)126-86(70(110)62(79)102)133-77-53(45-117-141(33,34)93(13,14)15)124-84(68(108)60(77)100)131-75-51(43-115-139(29,30)91(7,8)9)122-82(129-73)66(106)58(75)98/h49-88,97-112H,41-48H2,1-40H3/t49-,50-,51-,52-,53-,54-,55-,56-,57-,58-,59-,60-,61-,62-,63-,64-,65-,66-,67-,68-,69-,70-,71-,72-,73-,74-,75-,76-,77-,78-,79-,80-,81-,82-,83-,84-,85-,86-,87-,88-/m1/s1
SMILES string	<chem>CC(C)(C)[Si](C)(C)OC[C@H]1O[C@@H]2O[C@H]3[C@H](O)[C@@H](O)[C@H](O[C@@H]3CO[Si](C)(C)C(C)(C)C)O[C@H]4[C@H](O)[C@@H](O)[C@H](O[C@@H]4CO[Si](C)(C)C(C)(C)C)O[C@H]5[C@H](O)[C@@H](O)[C@H](O[C@@H]5CO[Si](C)(C)C(C)(C)C)O[C@H]6[C@H](O)[C@@H](O)[C@H](O[C@@H]6CO[Si](C)(C)C(C)(C)C)O[C@H]7[C@H](O)[C@@H](O)[C@H](O[C@@H]7CO[Si](C)(C)C(C)(C)C)O[C@H]8[C@H](O)[C@@H](O)[C@H](O[C@@H]8CO[Si](C)(C)C(C)(C)C)O[C@H]9[C@H](O)[C@@H](O)[C@H](O[C@@H]9CO[Si](C)(C)C(C)(C)C)O[C@H]1[C@H](O)[C@H]2O</chem>
Form	solid
Purity	>90%
Quality Level	200
Applications	Octakis (6-O-t-butyldimethylsilyl)- γ -cyclodextrin or DIACTGCD was used to determine the enantio-discrimination of mono-substituted styrene oxides.
Storage	2-8°C



Safety Information

Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
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