



Product Information

Mono-6-O-(p-toluenesulfonyl)- γ -cyclodextrin

Cat. No.: X23-03-ZQ481

Size: 500 mg; 1 g; 10 g; 25 g

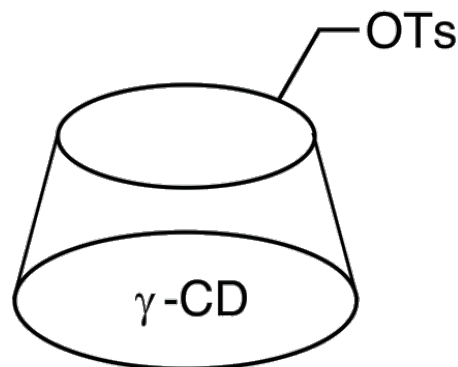
CAS Number: 97227-33-3

PubChem Substance ID: 87559312

PubChem CID: 14055632

Synonym: 97227-33-3;

[(1S,3R,5R,6S,8R,10R,11S,13R,15R,16S,18R,20R,21S,23R,25R,26S,28R,30R,31S,33R,35R,36S,38R,40R,41R,42R,43R,44R,45R,46R,47R,48R,49R,50R,51R,52R,53R,54R,55R,56R)-41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56-Hexadecahydroxy-5,10,15,25,30,35,40-heptakis(hydroxymethyl)-2,4,7,9,12,14,17,19,22,24,27,29,32,34,37,39-hexadecaoxanonacyclo[36.2.2.23,6.28,11.213,16.218,21.223,26.228,31.233,36]hexapentacontan-20-yl]methyl 4-methylbenzenesulfonate



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

Product Information

Molecular Weight	1451.31
Molecular Formula	C ₅₅ H ₈₆ O ₄₂ S
InChI	InChI=1S/C55H86O42S/c1-14-2-4-15(5-3-14)98(79,80)81-13-23-47-31(70)39(78)55(89-23)96-46-22(12-62)87-53(37(76)29(46)68)94-44-20(10-60)85-51(35(74)27(44)66)92-42-18(8-58)83-49(33(72)25(42)64)90-40-16(6-56)82-48(32(71)24(40)63)91-41-17(7-57)84-50(34(73)26(41)65)93-43-19(9-59)86-52(36(75)28(43)67)95-45-21(11-61)88-54(97-47)38(77)30(45)69/h2-5,16-78H,6-13H2,1H3/t16-,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-,43-,44-,45-,46-,47-,48-,49-,50-,51-,52-,53-,54-,55-/m1/s1
InChI Key	DSTZIMMHXKJUSO-CEUKPONPSA-N
Canonical SMILES	CC1=CC=C(C=C1)S(=O)(=O)OCC2C3C(C(C(O2)OC4C(OC(C(C4O)O)OC5C(OC(C(C5O)O)OC6C(OC(C(C6O)O)OC7C(OC(C(C7O)O)OC8C(OC(C(C8O)O)OC9C(OC(C(C9O)O)OC1C(OC(O3)C(C1O)O)CO)CO)CO)CO)CO)CO)O
Isomeric SMILES	CC1=CC=C(C=C1)S(=O)(=O)OC[C@@H]2[C@@H]3[C@@H]([C@H]([C@H](O2)O[C@@H]4[C@H](O[C@@H]([C@@H]([C@H]4O)O)[C@@H]5[C@H](O[C@@H]([C@@H]([C@H]5O)O)[C@@H]6[C@H](O[C@@H]([C@@H]([C@H]6O)O)[C@@H]7[C@H](O[C@@H]([C@@H]([C@H]7O)O)[C@@H]8[C@H](O[C@@H]([C@@H]([C@H]8O)O)[C@@H]9[C@H](O[C@@H]([C@@H]([C@H]9O)O



O[C@@H]1[C@H](O[C@H](O3)[C@@H]([C@H]1O)CO)CO)CO)CO)CO)CO)CO)O

Form	White powder
Purity	>90.0%, determined by HPLC.
Applications	Mono-6-O-(<i>p</i> -toluenesulfonyl)- γ -cyclodextrin can be used for research in fields such as pharmaceuticals, cosmetics, agriculture and environmental engineering.
Storage	Store at -20°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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