

CYCLOLAB



The Cyclodextrin Company



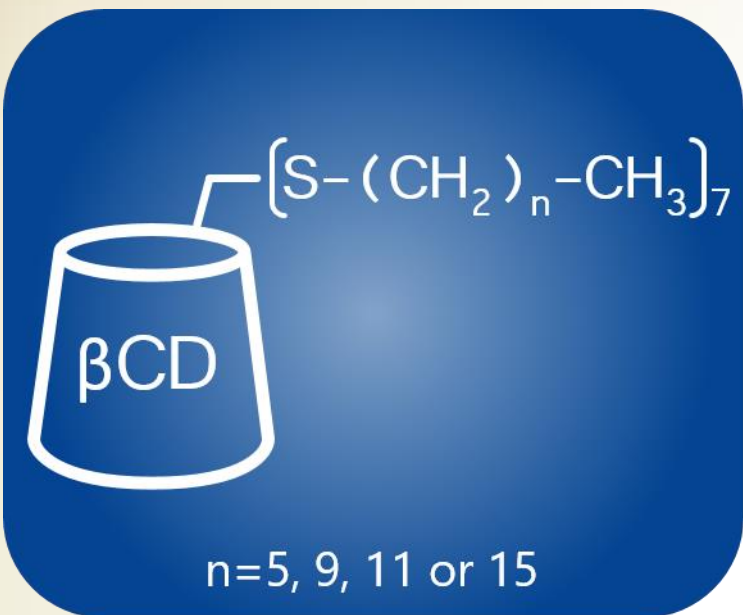
Per-6-alkylthio CDs

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**Precursors of RNA/DNA/gene
delivery systems**



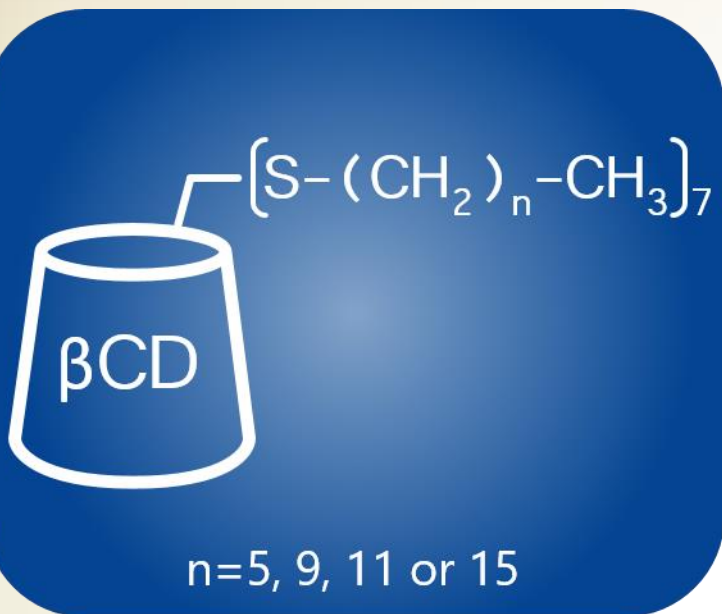
Per-6-alkylthio CDs



The per-(6-alkylthio)-CDs are compounds homogeneously substituted on the primary side with apolar chains of various length (C6/C10/C12/C16). The preparation of these compounds is performed through a standard and well established procedure at CycloLab.



Per-6-alkylthio CDs



These compounds are the ideal substrates for the preparation of amphiphilic cyclodextrins. The secondary side can be modified with polar groups such as oligo(ethylene glycol) units thus generating an amphiphilic structure and further modification can lead to the introduction of ionic groups.

A. Mazzaglia et al.: Novel Amphiphilic Cyclodextrins: Graft-Synthesis of Heptakis(6-alkylthio-6-deoxy)- α -cyclodextrin 2-Oligo(ethylene glycol) Conjugates and Their-Halo Derivatives.

C.M O'Driscoll et al.: Cationic and PEGylated Amphiphilic Cyclodextrins: Co-Formulation Opportunities for Neuronal Sirna Delivery

C.M O'Driscoll et al.: Cell transfection with polycationic cyclodextrin vectors



Per-6-alkylthio CDs

List of available products at CycloLab

Product name
Per-6-hexylthio-BCD
Per-6-decylthio-BCD
Per-6-dodecylthio-BCD
Per-6-hexadecylthio-BCD

**For any other specific derivative to be designed,
please reach out to us for discussion at info@cyclolab.hu**



Per-6-alkylthio CDs

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