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Beta-methyl Cyclodextrin

National Cancer Institute

Source

National Cancer Institute. *Beta-methyl Cyclodextrin*. NCI Thesaurus. Code C55823.

A molecular host acting as carrier. Beta-methyl cyclodextrin is part of a group of cyclic polysaccharides containing 6 to 8 glucose units in alpha-(1,4) linkage. The assembled cyclodextrin framework possesses a hydrophobic internal cavity which can include various small molecules and a peripheral structure containing a large number of hydroxyl groups making the molecule water soluble. Beta-cyclodextrin is employed for numerous applications to enhance solubility and availability of various water-soluble and water-insoluble pharmacological agents.