

Beta Cyclodextrin

Catalog Number: 22501

DESCRIPTION

Beta-cyclodextrin (β - CD) is a cyclic oligosaccharide with a hydrophobic inner cavity and a hydrophilic outer surface. It is used as excipients in drug formulations, such as liposomes, microspheres, microcapsules, and nanoparticles, to improve the solubility and permeability of hydrophobic drugs. β - CD is cross linked with polymers and other reagents to control drug release.

SPECIFICATIONS

CAS Number	7585-39-9
Purity	>98%
Molecular Weight	1134.98
Appearance	Solid
Storage	Room temperature
Linear Formula	C ₄₂ H ₇₀ O ₃₅
Synonym(s)	β -cyclodextrin, β - CD

PREPARATION

Beta cyclodextrin stock solutions can be prepared by dissolving in water (soluble at 18g/L at room temperature).

