



Product Information

Cyclodextrin polymer-modified magnetic nanoparticles

Cat. No.: X26-04-ZQ134

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: CD-polymer MNPs; Cyclodextrin-polymeric magnetite; CD-polymer coated iron oxide

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

Product Information

Description	Cyclodextrin polymer-modified magnetic nanoparticles consist of an Fe ₃ O ₄ core encapsulated within a cross-linked cyclodextrin polymer network. This structure provides multiple hydrophobic cavities for host-guest complexation while maintaining strong magnetic responsiveness for easy collection.
Source	Custom synthesis
Partical Size	30 nm, 50 nm, 100 nm, 200 nm
Functional Group	Cyclodextrin polymer
Form	Solid or powder
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Cyclodextrin polymer-modified magnetic nanoparticles are used for the magnetic solid-phase extraction of polycyclic aromatic hydrocarbons and the study of multi-guest loading in polymer-magnetic hybrids.
Storage	Store at -20°C.