CD BioGlyco
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Product Information

Nickel-plated MWCNTs (Ni-MWCNTs)

Cat. No.: X26-04-ZQ580

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

Synonym: Ni-coated MWCNTs; Nickel-decorated multi-walled nanotubes; Nickel-modified MWCNTs

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

Product Information

Description	This hybrid material consists of multi-walled carbon nanotubes coated with a uniform layer of metallic nickel *via* electroless plating. The nickel coating imparts magnetic properties and significantly enhances the electromagnetic shielding effectiveness of the nanotubes. These particles combine the lightweight, high-strength properties of CNTs with the conductivity and magnetism of nickel.
Source	Custom synthesis
Partical Size	Particle size: 8-15 nm; Length: 50 μm
Functional Group	Nickel (Ni)
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	This product can be used for electromagnetic interference (EMI) shielding research, the development of magnetic conductive composites, and the study of metal-carbon interface properties.
Storage	Store at -20ºC.