CD BioGlyco
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Product Information

Hydroxylated high-purity SWCNTs (OH-SWCNTs)

Cat. No.: X26-04-ZQ552

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

Synonym: OH-HP-SWCNTs; Hydroxyl-functionalized high-purity SWCNTs; OH-terminated HP-SWCNTs

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

Product Information

Description	These high-purity SWCNTs feature hydroxyl groups along the sidewalls, enhancing their chemical reactivity and affinity for polar matrices. The -OH groups provide sites for esterification or silanization, allowing for the integration of SWCNTs into various ceramic or polymer systems. They offer superior structural integrity and high crystalline quality for advanced materials science experiments.
Source	Custom synthesis
Partical Size	Particle size: 1-2 nm; Length: 5-30 μm
Functional Group	Hydroxyl
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 the synthesis of CNT-silica hybrids, research into advanced structural composites, and as a scaffold for grafting organic molecules.
Storage	Store at -20ºC.