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Product Information

Carboxylated MWCNTs (COOH-MWCNTs)

Cat. No.: X26-04-ZQ567

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

Synonym: COOH-functionalized MWCNTs; Carboxyl-modified multi-walled nanotubes; Acid-oxidized MWCNTs

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

Product Information

Description	These multi-walled carbon nanotubes are chemically treated to introduce carboxyl groups, which improves their dispersibility in polar solvents and aqueous media. The presence of -COOH groups allows for further surface modification *via* standard chemical reactions, such as amidation. They are a versatile and widely used material for improving the electrical and mechanical properties of various research composites.
Source	Custom synthesis
Partical Size	Particle size: <8 nm; Length: 10-30 μm
Functional Group	Carboxyl
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 development of conductive plastics, research into functional carbon fillers, and the fabrication of electrochemical sensing platforms.
Storage	Store at -20ºC.