

Product Information

Helical multi-walled carbon nanotubes (HMWCNTs)

Cat. No.: X26-04-ZQ554

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

Synonym: HMWCNTs; Coiled MWCNTs; Helical-structured MWCNTs; Helical MW carbon nanotubes

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

Product Information

Description	These multi-walled carbon nanotubes exhibit a unique coiled or helical morphology, which introduces distinct mechanical and electromagnetic properties. The helical structure provides a higher level of structural elasticity and different resonance characteristics compared to linear MWCNTs. They are synthesized using specialized CVD techniques to ensure a consistent coil pitch and diameter.
Source	Custom synthesis
Partical Size	Particle size: 100-200 nm; Length: 1-10 μm
Form	Solid or powder
Purity	$\geq 95\%$
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 study of chiral nanomaterials, research into microwave absorbing materials, and the development of nanomechanical springs.
Storage	Store at -20°C .