CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

CNT-Cu composite wire

Cat. No.: X26-04-ZQ556

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

Synonym: Copper-decorated CNT wire; CNT/Cu hybrid wire; Conductive copper-carbon nanotube wire

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

Product Information

Description	This wire is a hybrid material composed of carbon nanotubes and copper, engineered to provide high electrical and thermal conductivity. The CNTs are embedded within the copper matrix to enhance the tensile strength and reduce the coefficient of thermal expansion of the composite. This material is designed to explore the limits of current density and structural performance in micro-scale wiring.
Source	Custom synthesis
Partical Size	10-30 μm
Functional Group	Copper (Cu)
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 research of high-performance electrical interconnects, the study of thermal management materials, and the development of lightweight conductive cables.
Storage	Store at -20ºC.