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

Product Information

Poly(acrylic acid)-modified MWCNTs (PAA-MWCNTs)

Cat. No.: X26-04-ZQ537

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

Synonym: PAA-MWCNTs; PAA-functionalized multi-walled nanotubes; PAA-coated MWCNTs

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

Product Information

Description	These MWCNTs are modified with poly(acrylic acid) (PAA), providing a high density of carboxyl groups and a pH-responsive surface charge. The PAA chains can be used to coordinate metal ions or to covalently bond with other chemical species, making these nanotubes highly versatile for chemical synthesis. The polymer coating also improves the nanotubes' compatibility with various polar polymer matrices.
Source	Custom synthesis
Functional Group	Poly(acrylic acid)
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 metal-nanotube hybrids, research into pH-sensitive materials, and the development of ion-exchange carbon materials.
Storage	Store at -20ºC.