



Product Information

Polystyrene-grafted MWCNTs (MWCNT-g-PS)

Cat. No.: X26-04-ZQ541

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

Synonym: PS-grafted MWCNTs; Polystyrene-modified MWCNTs; MWCNT-g-PS hybrid

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

Product Information

Description	These MWCNTs are surface-grafted with polystyrene (PS) chains to ensure maximum compatibility and dispersion within styrene-based polymer matrices. The covalent grafting of the polymer chains prevents the nanotubes from re-aggregating, ensuring a uniform conductive and reinforcing network. This material is ideal for researchers studying the modification of bulk polymer properties using carbon nanostructures.
Source	Custom synthesis
Functional Group	Polystyrene
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 high-performance PS composites, research into polymer-nanotube interfacial bonding, and the study of electron transport in polymer matrices.
Storage	Store at -20°C.