



## Product Information

### Short hydroxylated MWCNTs

**Cat. No.:** X26-04-ZQ576

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

**Synonym:** Short OH-MWCNTs; Hydroxyl-functionalized short MWCNTs; Short OH-terminated MWCNTs

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

#### Product Information

<b>Description</b>	These multi-walled carbon nanotubes feature a shortened longitudinal axis and surface-bound hydroxyl groups to improve dispersibility and reduce entanglement. The short length allows for higher loading levels in matrices without significantly increasing the viscosity of the composite mixture. The -OH groups provide a versatile platform for further chemical modification or hydrogen bonding with oxygen-rich polymers.
<b>Source</b>	Custom synthesis
<b>Partical Size</b>	Particle size: <8 nm; Length: 0.5-2 $\mu$ m
<b>Functional Group</b>	Hydroxyl
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq$ 95%
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Identity</b>	HPLC/MS/NMR
<b>Stability</b>	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	This product can be used for the study of length-dependent composite properties, the development of functional coatings, and research into hydroxyl-mediated chemical grafting.
<b>Storage</b>	Store at -20°C.