

The invention relates to chemical technology of carbon materials, namely, to the carbon nanotubes which may be used as adsorbents, catalyst carriers and in other branches. The process for preparation of carbon nanotubes includes carrying out metal carbide reaction with an electron-acceptor compound. The calcium carbide is used as metal carbide and sulfur as an electron-acceptor compound. The use of this invention allows raising synthesis scale without explosive hazard and toxic substance emission.