

POLYDIACETYLENE Nanotubes

NS6130-12-000164

Quick Facts

Product	:	Polydiacetylene Nanotubes
Stock No	:	NS6130-12-000164
CAS	:	27987-87-7
Purity	:	99.9%

Technical Specification

ID	OD	Length
34nm	98nm	1 - 3µm

Polydiacetylenes (PDAs) are a family of conducting polymers closely related to polyacetylene. Polydiacetylene Nanotubes (PDNT) are self-assembled diacetylene nanotubes comprised of cross-linking of conjugated double and triple bonds.

- UV-based sensors, Drug delivery systems (DDS)
- Microelectronics
- Optoelectronics
- Molecular sensors for chemical detection
- Artificial retinas, Biosensors for viruses, bacteria, enzymes, and other
- Neuronal networks, MEMS
- Colorimetric pressure sensors, Gas separation



* This image is for graphic purposes only and does not represent the actual product.

