

ChangFu® C1832

n-Octadecyltrimethoxysilane



Description ChangFu® C1832 is an organosilane with long alkyl chains. It is often utilized for surface modification of nanoparticles. It can form a hydrophobic layer with a high-water contact angle and low surface energy, so it's also used to prepare superhydrophobic materials.

Features & Benefits

- Long-chain alkyl silane.
- Reacts slowly with moisture/water.
- Excellent surface modification performance.
- Forms hydrophobic, protective coatings.
- Providing corrosion resistance.

Applications

- Mainly used to modify silica nanoparticles for the preparation of reversed phase C18 chromatographic columns/ODS.
- Used as the surface modifier of inorganic fillers and enhance the bonding between inorganic materials and organic polymers.
- Used as a metal protective agent through offering great corrosion resistance performance.
- Used for the protection of cultural relics. It can significantly prevent damages brought by acid corrosion and weathering.

Typical Properties

Product No.	ChangFu® C1832
Description	n-Octadecyltrimethoxysilane
CAS No.	3069-42-9
Formula	C ₂₁ H ₄₆ O ₃ Si
Purity	min 95%
Color	Colorless
Appearance	Clear liquid or solid

Package Offered in 25L pails and 200L drums.
Custom packaging is available.

Storage Stored in a cool, well-ventilated place.
Keep container tightly closed.

Transportation See the corresponding Safety Data Sheet.