

Technical Data Sheet

ChangFu® C1832
n-Octadecyltrimethoxysilane



Description	ChangFu® C1832 is a long-chain alkyl silane primarily used for nanoparticle modification and superhydrophobic materials. Its structure enables it to form a hydrophobic layer with a high contact angle and low surface energy.
Features & Benefits	Long-chain silane coupling agent containing isomers. Superior hydrophobicity, able to form water-repellent surfaces. Enables self-cleaning and anti-fouling properties.
Applications	Used as an essential surface modifier of silica-based packing materials for reversed-phase C18 chromatographic columns. Used as a surface modifier of nanoparticles for superhydrophobic and protective coatings. Used as a metal protective agent through offering great corrosion resistance performance. Used for the protection of cultural relics, significantly preventing damage 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.
-----------------------	--