

# Technical Data Sheet

ChangFu® C1811  
n-Octadecylmethyldimethylchlorosilane



<b>Description</b>	ChangFu® C1811 is a reactive organosilane combining a long C18 hydrocarbon chain with highly reactive chloro functionality. Its unique structure delivers excellent surface modification capabilities, making it an ideal modifier for silica nanoparticles.
<b>Features &amp; Benefits</b>	Superior hydrophobicity. Multi-substrate compatibility. Excellent material to create high-efficiency C18 stationary phases.
<b>Applications</b>	Used as a surface modifier for reversed-phase HPLC columns. Used as a modifier for silica nanoparticles, minerals, and inorganic fillers. Used for the hydrophobic modification of wood-plastic composites, fabrics, and polymers. Used as a precursor and a silylation reagent to produce organic silicon compounds.

## Typical Properties

Description	n-Octadecylmethyldimethylchlorosilane
Product No.	ChangFu® C1811
CAS No.	18643-08-8
Formula	C <sub>20</sub> H <sub>43</sub> ClSi
Purity	min 95%
Color	Colorless
Appearance	Clear liquid or solid

<b>Package</b>	Offered in 25L pails and 200L drums. Custom packaging is available.
<b>Storage</b>	Stored in a cool, well-ventilated place. Keep container tightly closed.
<b>Transportation</b>	See the corresponding Safety Data Sheet.