

ChangFu® PHC311
3-Phenylpropyldimethylchlorosilane



Description	ChangFu® PHC311 is a highly reactive phenyl chlorosilane primarily serving advanced surface modification. Its unique structure enables rapid binding to hydroxyl-rich surfaces, making it an ideal choice for functionalizing silica nanoparticles.
Features & Benefits	Specialty silane with a phenyl functional group. Reacts rapidly with moisture/water. Able to enhance dispersibility and compatibility of nanoparticles.
Applications	Used as a surface modifier to modify silica nanoparticles for HPLC column packing, improving separation efficiency and column lifetime. Used as a modifier for inorganic minerals and fillers functionalization. Used as an intermediate for the synthesis of organosilicon compounds.

Typical Properties

Description	3-Phenylpropyldimethylchlorosilane
Product No.	ChangFu® PHC311
CAS No.	17146-09-7
Formula	C ₁₁ H ₁₇ ClSi
Purity	min 95%
Color	Colorless or light yellow
Appearance	Clear liquid

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.