

Technical Data Sheet

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	C11H17ClSi
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.