

ChangFu® FPHII



Chlorodimethyl[3-(2,3,4,5,6-pentafluorophenyl)propyl]silane

Description ChangFu® FPHII is a specialized organosilane compound which is valued for its versatility in organic synthesis and its ability to introduce both silicon and pentafluorophenyl functionalities into organic molecules. It plays a crucial role in the development of advanced materials and compounds across various industries.

Features & Benefits Reactive chlorosilane compound.
Soluble in common organic solvents such as dichloromethane, chloroform, and toluene.
Can participate in substitution reactions with nucleophiles and be used in silanization reactions to modify surfaces, especially suitable for column packing materials modification.

Applications Used as a silanizing agent to modify surfaces, improving their compatibility with other materials or providing reactive sites for further functionalization.
Used as a reagent in organic synthesis to introduce silicon-containing functional groups into organic molecules. The pentafluorophenyl group can enhance reactivity and facilitate subsequent coupling reactions.
Used in polymers and resins to impart specific properties such as improved adhesion, hydrophobicity, or stability under harsh conditions.
Used in research laboratories for the synthesis of novel organosilicon compounds and as a building block in the development of new materials.

Typical Properties

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| Description | Chlorodimethyl[3-(2,3,4,5,6-pentafluorophenyl)propyl]silane |
| Product No. | ChangFu® FPHII |
| CAS No. | 157499-19-9 |
| Formula | C ₁₁ H ₁₂ ClF ₅ Si |
| 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.