

## ChangFu® BRPHII



3-(Pentabromophenylmethoxy)propyldimethylchlorosilane

**Description** ChangFu® BRPHII is a specialty organosilane compound which is primarily used in various applications related to surface modification, organic synthesis, and materials science.

**Features & Benefits** Reactive chlorosilane compound.  
Especially suitable for column packing materials modification. The column packing material modified with it is suitable for the separation and purification of compounds with long chain lengths and large molecular weights, atoms with larger functional groups (such as halogens) and compounds with very active charge movement (such as aromatic compounds).

**Applications** Used as a silanizing agent to modify surfaces, improving their adhesion and compatibility with other materials in coatings, adhesives, and composites.  
Used as a reagent in organic synthesis to introduce silicon-functionalized propyl chain into organic molecules, altering their properties or enhancing reactivity.  
Used in polymers and resins to impart specific properties such as flame retardancy and chemical resistance.  
Used in research laboratories for the synthesis of novel organosilicon compounds and in the development of advanced materials with tailored properties.  
Used as a catalyst or co-catalyst in certain reactions due to the Lewis acidic nature of the silicon center and the electron-withdrawing effects of the pentabromophenylmethoxy group.

### Typical Properties

Description	3-(Pentabromophenylmethoxy)propyldimethylchlorosilane
Product No.	ChangFu® BRPHII
CAS No.	166546-37-8
Formula	C <sub>12</sub> H <sub>14</sub> Br <sub>5</sub> ClOSi
Purity	min 90%
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.