

ChangFu® BPH33e



1,4-Bis(triethoxysilylethyl)benzene

Description ChangFu® BPH33e is a versatile chemical compound containing a benzene ring with two triethoxysilylethyl groups. It is often used in various applications, including as a crosslinker or coupling agent in materials science and polymer chemistry due to its ability to form strong bonds with silicate surfaces.

Features & Benefits High reactivity and bonding capabilities.
Excellent crosslinking agent and surface modifier.
Can hydrolyze and condense to form strong covalent bonds with silica or other inorganic materials.

Applications Used as a coupling agent and an adhesion promoter to enhance bond strength between organic polymers and inorganic substrates like glass, metals, and ceramics.
Used as a surface modifier in the modification of silica-based materials for better performance in various applications.
Used in the synthesis of functionalized nanoparticles and nanocomposites.
Used in the development of advanced polymers and composites to enhance mechanical properties and durability.

Typical Properties

Description	1,4-Bis(triethoxysilylethyl)benzene
Product No.	ChangFu® BPH33e
CAS No.	224578-01-2
Formula	C ₂₂ H ₄₂ O ₆ Si ₂
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.