Technical Data Sheet

ChangFu® BTN33

(1-(3-Triethoxysilyl)propyl)-2,2-diethoxy-1-aza-2-silacyclopentane

昌孚化工
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Description

ChangFu® BTN33 consists of a silacyclopentane ring, with an amino group attached to one of the carbons in the ring. It also features two ethoxy groups on the silicon atoms and a triethoxysilyl group attached to a propyl chain. This combination makes the compound highly functional for surface modification.

Features & Benefits

Able to engage in coordination with metal ions, catalysis, and modification reactions.
May hydrolyze slowly in the presence of water, releasing ethanol and forming silanol groups.

Applications

Used to modify the surface of materials such as glass, metals, ceramics, and polymers, creating a stronger bond between organic materials and inorganic surfaces.
Used as an adhesion promoter and a coupling agent in the formulation of silane-based primers, adhesives, and coatings.
Used as a crosslinking agent for polymers and resins to improve their mechanical properties, stability, and thermal resistance.

Typical Properties

Description	(1-(3-Triethoxysilyl)propyl)-2,2-diethoxy-1-aza-2-silacyclopentane
Product No.	ChangFu® BTN33
CAS No.	1184179-50-7
Formula	C16H37NO5Si2
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 the container tightly closed.

Transportation

See the corresponding Safety Data Sheet.