Technical Data Sheet

ChangFu® PY11E

(2-Pyrenyl-1-ethyl)dimethylchlorosilane

Description

ChangFu® PY11E is a specialty organosilicon compound notable for its unique chemical structure and potential applications across various fields. It's valuable in advancing technologies requiring enhanced material compatibility, adhesion promotion, and surface modification capabilities.

Features & Benefits

High reactivity for further chemical modifications.
Has aromaticity, influencing properties like solubility and electronic characteristics.
Has compatibility with organic polymers and inorganic surfaces.

Applications

Used in materials science for surface modification of substrates like silica, glass, and metals, enhancing their hydrophobicity, adhesion properties, and resistance to environmental factors.
Used in the electronics industry for coating and encapsulation purposes, where it can provide protection against moisture and improve thermal management.
Used in optoelectronic devices, such as organic light-emitting diodes (OLEDs) or photovoltaic cells, where it could influence electronic transitions or act as a light-emitting moiety.
Used as a polymer additive to modify properties such as flexibility, thermal stability, and resistance to chemicals.
Used in biomedical fields due to its potential biocompatibility and ability to modify surfaces for specific biological interactions.

Typical Properties

Description	(2-Pyrenyl-1-ethyl)dimethylchlorosilane
Product No.	ChangFu® PY11E
CAS No.	105594-64-6
Formula	C14H17ClSi
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.