



(APTES)3-Triethoxysilylpropylamine

Catalog number: AR0001

This package insert must be read in its entirety before using this product.

For research use only. Not for use in diagnostic procedures.

(APTES)3-Triethoxysilylpropylamine

Catalog Number: AR0001, **Storage:** Store at 4°C.

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Overview

Product Name	(APTES)3-Triethoxysilylpropylamine
SKU/Catalog Number	AR0001
Form Supplied	Concentrated solution (50X)
Physical State	Liquid
Storage	Upon receipt store at 4°C. (APTES)3-Triethoxysilylpropylamine is stable at 4°C for one year.
Pack Size	10 mL (sufficient for coating 100-200 slides)
Dilution Ratio	1:50
Equivalent	Millipore Sigma (Product No. A3648)
Toxicity	APTES is a toxic compound. APTES fumes are destructive to the mucous membranes and the upper respiratory tract, and should be used in a fume hood with gloves. If a fume hood is not available, a face shield and full face respirator must be implemented.
Application	To treat the glass slide before mounting tissue sections during immunohistochemistry (IHC) *Our Boster Guarantee covers the use of this product in the above tested applications.
Cite This Product	(APTES)3-Triethoxysilylpropylamine (Boster Biological Technology, Pleasanton CA, USA, Catalog # AR0001)

Chemical structures

Molecular formula: $\text{H}_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OC}_2\text{H}_5)_3$

Molecular weight: 221.37

CAS Number: 919-30-2

Description

(APTES)3-Aminopropyltriethoxysilane is a silylation agent used to treat glass slides and create a reactive film (primary Amines). Treated surface can be used to crosslink and immobilize proteins and other molecules.

APTES is used to treat the glass slide before mounting tissue sections during immunohistochemistry (IHC).

Procedure

1. Dilute (APTES)3-Aminopropyltriethoxysilane 1:50 with acetone in a plastic beaker.
2. Fully coat clean slides with diluted (APTES)3-Aminopropyltriethoxysilane solution. A rack at a time and incubate for 2 minutes at room temperature.
3. Wash the slides with distilled water 1-2 times.
4. Aspirate the (APTES)3-Aminopropyltriethoxysilane solution, drain slides and dry in 60°C oven for 1 hour.

Notes

1. Dilute (APTES)3-Aminopropyltriethoxysilane should be freshly prepared before use.
2. There will be a small amount of milk-white substance on the slide after coating.

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