
Product Data Sheet

Product Name: Triethoxyoctylsilane

Cat. No.: GC64624

Chemical Properties

Cas. No. 2943-75-1

Formula C₁₄H₃₂O₃Si M.Wt 276.49

Solubility Storage 4°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Triethoxyoctylsilane is a silane coupling agent. Triethoxyoctylsilane can be used in plastics applications[1][2].

[1]. Warheit DB, et al. Pulmonary toxicity studies in rats with triethoxyoctylsilane (OTES)-coated, pigment-grade titanium dioxide particles: bridging studies to predict inhalation hazard. *Exp Lung Res.* 2003;29(8):593-606. [2]. Chen C, et al. Surface modification of aqueous miscible organic layered double hydroxides (AMO-LDHs). *Dalton Trans.* 2020;49(25):8498-8503.

Caution: Product has not been fully validated for medical applications. For research use only.

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