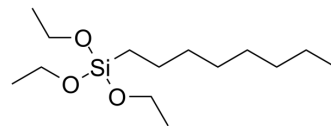


Triethoxyoctylsilane

Cat. No.:	HY-91054
CAS No.:	2943-75-1
Molecular Formula:	C ₁₄ H ₃₂ O ₃ Si
Molecular Weight:	276.49
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (36.17 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.6168 mL	18.0838 mL	36.1677 mL
	5 mM		0.7234 mL	3.6168 mL	7.2335 mL
	10 mM		0.3617 mL	1.8084 mL	3.6168 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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

REFERENCES

[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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