Data Sheet (Cat.No.T67732)

TargetMol

Potassium trimethylsilanolate

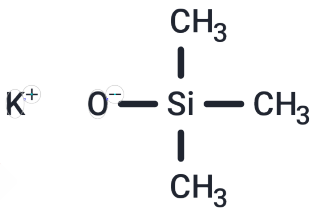
Chemical Properties

CAS No. : 10519-96-7

Formula: C3H9KOSi

Molecular Weight: 128.29

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Potassium trimethylsilanolate is a catalyst. Potassium trimethylsilanolate promotes the Suzuki-Miyaura reaction by (TMSOK) proceeds through the boronate pathway.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (428.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.7948 mL	38.9742 mL	77.9484 mL
5 mM	1.559 mL	7.7948 mL	15.5897 mL
10 mM	0.7795 mL	3.8974 mL	7.7948 mL
50 mM	0.1559 mL	0.7795 mL	1.559 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Delaney CP, et al. Potassium Trimethylsilanolate-Promoted, Anhydrous Suzuki-Miyaura Cross-Coupling Reaction Proceeds via the "Boronate Mechanism": Evidence for the Alternative Fork in the Trail. J Am Chem Soc. 2022 Mar 16;144(10):4345-4364.

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