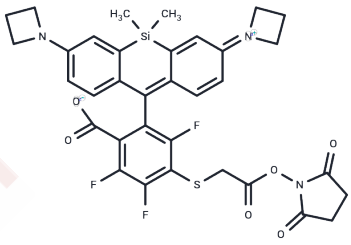
Data Sheet (Cat.No.T39575)

TargetMol

Janelia Fluor® 669, SE

Chemical Properties



CAS No. : 2127150-20-1

Formula: C34H30F3N3O6SSi

Molecular Weight: 693.77

Storage: Keep away from direct sunlight
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	Janelia Fluor 669, SE (JF669, SE), a red fluorescent dye, reacts directly with thiol-containing HaloTag ligand under mild conditions (DIEA, DMF) to produce a JF669 HaloTag ligand in a single step (Ex = 669 nm; Em = 682 nm).
Targets(IC50)	Others
In vitro	JF669 rapidly transforms into a thioether product in less than 5 minutes to completion when in organic solvents, primarily assuming the closed form[1]. Additionally, JF669 exhibits superior photostability, maintaining 97% of its fluorescence intensity after an equivalent number of cycles[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4414 mL	7.207 mL	14.414 mL
5 mM	0.2883 mL	1.4414 mL	2.8828 mL
10 mM	0.1441 mL	0.7207 mL	1.4414 mL
50 mM	0.0288 mL	0.1441 mL	0.2883 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

Jonathan B Grimm, et al. General Synthetic Method for Si-Fluoresceins and Si-Rhodamines. ACS Cent Sci. 2017 Sep 27;3(9):975-985.

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