

## PA Janelia Fluor® 549, SE

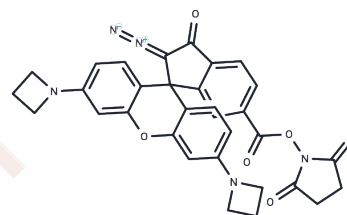
## Chemical Properties

CAS No. : 1811539-42-0

Formula: C32H25N5O6

Molecular Weight: 575.581

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	PA Janelia Fluor 549, SE (PA-JF549-NHS) is a bright photoactivatable fluorophore of JF549, SE (JF549, NHS). JF549, SE (JF549, NHS) is a fluorescent dye with the absorption maximum ( $\lambda_{ab}$ (max)) of 549 nm and emission maximum ( $\lambda_{em}$ (max)) of 571 nm.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7374 mL	8.6869 mL	17.3738 mL
5 mM	0.3475 mL	1.7374 mL	3.4748 mL
10 mM	0.1737 mL	0.8687 mL	1.7374 mL
50 mM	0.0347 mL	0.1737 mL	0.3475 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. Synthesis of Janelia Fluor HaloTag and SNAP-Tag Ligands and Their Use in Cellular Imaging Experiments. *Methods Mol Biol.* 2017;1663:179-188.

Jonathan B Grimm, et al. Bright photoactivatable fluorophores for single-molecule imaging. *Nat Methods.* 2016 Dec;13(12):985-988.

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