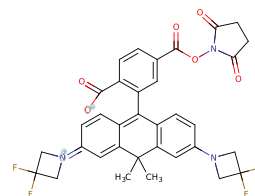


Janelia Fluor[®] 585, SE

Chemical Properties

CAS No. :	1811539-88-4
Formula:	C34H27F4N3O6
Molecular Weight:	649.599
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Janelia Fluor 585, SE (JF585, SE) is an orange fluorescent dye containing an NHS ester that can be conjugated with primary amine groups. Janelia Fluor 585, SE can be used immediately for structured illumination (SIM) and stimulated emission depletion (STED) imaging and could be converted to photoactivatable derivative for single-molecule localization microscopy (SMLM) experiments.
In vitro	The chemical compound exhibits a maximum absorption wavelength (λ_{abs}) of 585 nm and a maximum emission wavelength (λ_{em}) of 609 nm[1]. The JF585-SNAP-tag ligand (24) serves effectively as a cellular label. Furthermore, the novel HaloTag ligands, developed from JF585 and JF635, display significant chromogenicity and fluorogenicity, essential for advanced imaging experiments[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5394 mL	7.697 mL	15.3941 mL
5 mM	0.3079 mL	1.5394 mL	3.0788 mL
10 mM	0.1539 mL	0.7697 mL	1.5394 mL
50 mM	0.0308 mL	0.1539 mL	0.3079 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.

Reference

Grimm JB, Muthusamy AK, Liang Y, et al. A general method to fine-tune fluorophores for live-cell and in vivo imaging. Nat Methods. 2017;14(10):987-994. doi:10.1038/nmeth.4403

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481