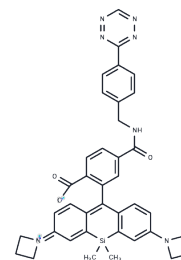


Janelia Fluor® 646, Tetrazine

Chemical Properties

CAS No. :	2042192-00-5
Formula:	C38H35N7O3Si
Molecular Weight:	665.82
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Janelia Fluor 646, Tetrazine (JF646, Tetrazine) is a red fluorescent dye with a tetrazine moiety, suitable for cellular imaging [1].
Targets(IC50)	Others
In vitro	JF646, a red fluorescent dye with an excitation maximum at 646 nm and an emission maximum at 664 nm [1], is photostable, membrane-permeable, and possesses a high extinction coefficient [2]. It functions as a ligand for self-labeling tags (e.g., HaloTag) [1] and is modified by tetrazine conjugation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5019 mL	7.5095 mL	15.0191 mL
5 mM	0.3004 mL	1.5019 mL	3.0038 mL
10 mM	0.1502 mL	0.751 mL	1.5019 mL
50 mM	0.030 mL	0.1502 mL	0.3004 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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