
Product Data Sheet

Product Name: Janelia Fluor 549, Tetrazine

Cat. No.: GC50478

Chemical Properties

Cas. No.

SMILES O=C(NCC1=CC=C(C2=NN=CN=N2)C=C1)C3=CC=C(C([O-])=O)C(C(C4=CC=C(N5CCC5)C=C4O6)=C(C=C/7)C6=CC7=[N+]8CCC\8)=C3

Formula $C_{36}H_{29}N_7O_4$ M.Wt 623.66

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Yellow fluorescent dye; supplied as a tetrazine for click chemistry. Suitable for confocal fluorescent imaging and super resolution microscopy (SRM) techniques, such as dSTORM (live and fixed cells) and STED. Cell permeable. Copper-free and suitable for live-cell imaging. Excitation maximum = 549 nm; emission maximum = 571 nm; Quantum yield = 0.88; Extinction coefficient = 101,000 $M^{-1}cm^{-1}$; A280 correction factor is 0.169.

Caution: Product has not been fully validated for medical applications. For research use only.

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