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**Product Data Sheet**


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Product Name: Janelia Fluor 549, Azide

Cat. No.: GC50477

**Chemical Properties**

Cas. No.

SMILES O=C(NCCOCCOCCOCCN=[N+]=[N-])C1=CC=C(C([O-])=O)C(C(C2=CC=C(N3CCC3)C=C2O4)=C(C=C/5)C4=CC5=[N+]6CCC\6)=C1

Formula  $C_{35}H_{38}N_6O_7$  M.Wt 654.71

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

Fluorescent yellow dye; supplied as an azide for click chemistry. Suitable for confocal fluorescent imaging and super resolution microscopy (SRM) techniques, such as dSTORM (live and fixed cells) and STED. Also suitable for flow cytometry. Cell permeable. Excitation maximum = 549 nm; emission maximum = 571 nm; Quantum yield = 0.88; Extinction coefficient = 101,000 M<sup>-1</sup>cm<sup>-1</sup>; A280 correction factor is 0.169.

Grimm et al (2015) A general method to improve fluorophores for live-cell and single-molecule microscopy. Nat.Methods 12 244 PMID:25599551

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

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