
Product Data Sheet

Product Name: Janelia Fluor 525, SE

Cat. No.: GC50412

Chemical Properties

Cas. No.

SMILES O=C(ON1C(CCC1=O)=O)C2=CC=C(C([O-])=O)C(C(C3=CC=C(N4CC(F)(F)C4)C=C3O5)=C(C=C/6)C5=CC6=[N+]7CC(F)(F)C\7)=C2

Formula $C_{31}H_{21}F_4N_3O_7$ M.Wt 623.51

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

Yellow fluorescent dye; supplied as an NHS ester for coupling to primary amine groups. NHS ester can be converted to relevant substrate for use in self-labeling tag systems, e.g. HaloTag® and SNAP-tag®. Suitable for confocal fluorescent imaging and super resolution microscopy (SRM) techniques, such as dSTORM (live and fixed cells). Can be multiplexed for two color imaging with Janelia Fluor® 635 SE . Cell permeable. Excitation maximum = 525 nm; emission maximum = 549 nm; quantum yield = 0.91; Extinction coefficient = 122,000 M⁻¹cm⁻¹; Correction factor A280 = 0.185. We also offer Janelia Fluor® conjugated antibodies and custom conjugation services with our sister company Novus Biologicals. HaloTag is a trademark of Promega Corporation, and SNAP-tag is a trademark of New England BioLabs, Inc.

Grimm et al (2017) A general method to fine-tune fluorophores for live-cell and in vivo imaging. Nat. Methods 14 987 PMID:28869757

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

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