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## Product Data Sheet

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Product Name: Janelia Fluor 669, SE

Cat. No.: GC50445

**Chemical Properties**

Cas. No. 2127150-20-1

C[Si]

SMILES (C1=CC(N2CCC2)=CC=C1C(C3=C(F)C(SCC(ON4C(CCC4=O)=O)=O)=C(F)C(F)=C3C([O-])=O)=C5C=C/6)(C)C5=CC6=[N+]7CCC\7Formula C<sub>34</sub>H<sub>30</sub>F<sub>3</sub>N<sub>3</sub>O<sub>6</sub>SSi

M.Wt

693.77

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

Structure **Background**

Red 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). Cell permeable. Excitation maximum = 669 nm; emission maximum = 682 nm; Quantum yield = 0.37; Extinction coefficient = 116,000 M<sup>-1</sup>cm<sup>-1</sup>; Correction factor = 0.0430. Retains 97% fluorescence after 30 bleaching cycles. 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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