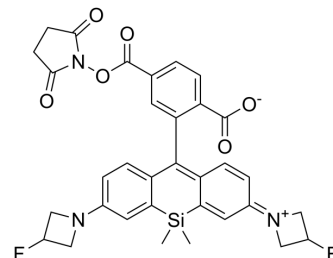


## Janelia Fluor® 635, SE

Cat. No.:	HY-131026
Molecular Formula:	C <sub>33</sub> H <sub>29</sub> F <sub>2</sub> N <sub>3</sub> O <sub>6</sub> Si
Molecular Weight:	629.68
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Janelia Fluor® 635, SE (JF635, SE) is a red fluorogenic fluorescent dye containing an NHS ester that can be conjugated with primary amine groups. JF635, SE can be used for live cell imaging <sup>[1]</sup> . Janelia Fluor® products are licensed under U.S. Pat. Nos. 9,933,417, 10,018,624 and 10,161,932 and other patents from Howard Hughes Medical Institute.
In Vitro	Maximum absorption wavelength (λ <sub>abs</sub> )=635 nm, maximum emission wavelength (λ <sub>em</sub> )=652 nm <sup>[1]</sup> . JF635 can serve as a ligand for self-labeling tag (such as HaloTag and SNAP-tag). The SNAP-tag ligand of JF635 (29) effectively labels SNAP-tag fusions in cells and the JF635-HaloTag ligand (27) could be used in a two-color experiment with JF525-SNAP-tag ligand <sup>[1]</sup> , MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Grimm JB, et al. A general method to fine-tune fluorophores for live-cell and in vivo imaging. Nat Methods. 2017;14(10):987-994.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA