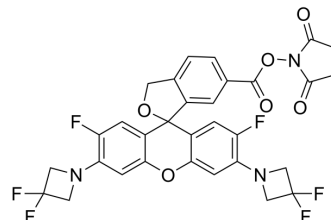


## HM Janelia Fluor® 526, SE

Cat. No.:	HY-138660
CAS No.:	2376841-30-2
Molecular Formula:	C <sub>31</sub> H <sub>21</sub> F <sub>6</sub> N <sub>3</sub> O <sub>6</sub>
Molecular Weight:	645.51
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

HM Janelia Fluor® 526, SE (HM-JF526 NHS) is a derivative of hydroxymethyl JF526 (HM-JF526). SMLM (single-molecule localization microscopy) imaging in standard phosphate-buffered saline (pH 7.4) revealed that the HM-JF526 label showed spontaneous blinking behavior throughout the imaging session and did not require short-wavelength activation light<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.

### REFERENCES

[1]. Zheng Q, et al. Rational Design of Fluorogenic and Spontaneously Blinking Labels for Super-Resolution Imaging [published correction appears in ACS Cent Sci. 2020 Oct 28;6(10):1844]. ACS Cent Sci. 2019;5(9):1602-1613.

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

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