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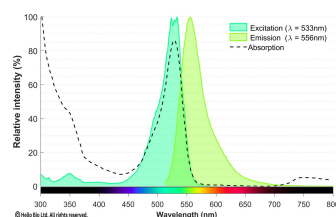
## DATASHEET

### Janelia Fluor® 525, free acid

## Product overview

<b>Name</b>	Janelia Fluor® 525, free acid
<b>Cat No</b>	HB7173
<b>Biological description</b>	Cell-permeable, yellow fluorescent dye supplied as a free acid. Suitable for confocal microscopy and super resolution microscopy (SRM) including techniques such as dSTORM (both live and fixed cells). Can also be multiplexed with Janelia Fluor® 635 SE for two color imaging.
<b>Biological action</b>	<b>Spectrally similar dyes:</b> Alexa Fluor® 532, Alexa Fluor® 514, Atto 532, CF514, CF532
<b>Description</b>	Dyes & stains Yellow dye supplied as a free acid. Suitable for super resolution microscopy (e.g. dSTORM), confocal microscopy and live cell imaging.

## Images



## Biological Data

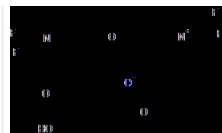
<b>Application notes</b>	<b>#Protocol 1: Measurement of excitation and emission spectra of Janelia Fluor® 525, free acid</b> <ul style="list-style-type: none"><li>Janelia Fluor® 525, free acid was prepared at 1µm in PBS.</li><li>Spectra were generated on a Tecan Infinite M200 PRO using the following parameters:<ul style="list-style-type: none"><li>Excitation: Recording at 618nm while exciting between 280nm and 590nm</li><li>Emission: Exciting at 484nm while recording between 510nm and 800nm</li><li>Absorbance: Measured between 300 and 800nm</li></ul></li></ul>
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## Solubility & Handling

<b>Storage instructions</b>	-20 °C
<b>Solubility overview</b>	Soluble in DMSO
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

## Chemical Data

<b>Chemical name</b>	3,6-Di-1-(3,3-difluoroazetidiny)-9-[2,5-dicarboxy-phenyl]xanthylum, inner salt
<b>Molecular Weight</b>	526.44
<b>Chemical structure</b>	



**Molecular Formula**

**SMILES**

**Source**

**InChiKey**

**Licensing details**

C<sub>27</sub>H<sub>19</sub>F<sub>4</sub>N<sub>2</sub>O<sub>5</sub>

O=C(O)c6cc(C=1c4ccc(cc4OC2=CC(\C=CC=12)=[N+]3CC(F)(F)C3)N5CC(F)(F)C5)c(cc6)C([O-])=O

Synthetic

NEMQHYPGUMYWUDT-UHFFFAOYSA-N

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## References

**A general method to fine-tune fluorophores for live-cell and in vivo imaging.**

Grimm JB et al (2017) Nature methods 14

**PubMedID**

[28869757](#)

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