Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Janelia Fluor® 525, free acid

Product overview

Name Cat No Biological description	Janelia Fluor® 525, free acid HB7173 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.
Biological action Description	Spectrally similar dyes: Alexa Fluor® 532, Alexa Fluor® 514, Atto 532, CF514, CF532 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

Application notes

<code>#Protocol 1: Measurement of excitation and emission spectra of Janelia Fluor $\ensuremath{\mathbb{B}}$ 525, free acid</code>

- Janelia Fluor \circledast 525, free acid was prepared at $1\mu m$ in PBS.
- Spectra were generated on a Tecan Infinite M200 PRO using the following parameters:
 - Excitation: Recording at 618nm while exciting between 280nm and 590nm
 - Emission: Exciting at 484nm while recording between 510nm and 800nm
 - Absorbance: Measured between 300 and 800nm

Solubility & Handling

 Storage instructions
 -20 ° C

 Solubility overview
 Soluble in DMSO

 Important
 This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name Molecular Weight Chemical structure 3,6-Di-1-(3,3-difluoroazetidinyl)-9-[2,5-dicarboxy-phenyl]xanthylium, inner salt 526.44



Molecular Formula SMILES

Source InChiKey Licensing details NEMQHPGUMYWUDT-UHFFFAOYSA-N Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus

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