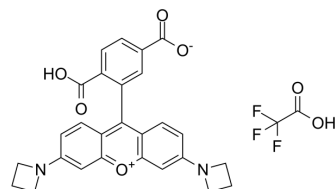


Janelia Fluor® 549 TFA

Cat. No.:	HY-131022
CAS No.:	2245946-45-4
Molecular Formula:	C ₂₉ H ₂₃ F ₃ N ₂ O ₇
Molecular Weight:	568.5
Target:	Others
Pathway:	Others
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (43.98 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7590 mL	8.7951 mL	17.5902 mL
5 mM	0.3518 mL	1.7590 mL	3.5180 mL
10 mM	0.1759 mL	0.8795 mL	1.7590 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Janelia Fluor® 549 TFA (JF549 TFA) is a fluorescent dye with the absorption maximum (λ_{ab} (max)) of 549 nm and emission maximum (λ_{em} (max)) of 571 nm^[1]. 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]. Jonathan B Grimm, et al. Synthesis of Janelia Fluor HaloTag and SNAP-Tag Ligands and Their Use in Cellular Imaging Experiments. *Methods Mol Biol.* 2017;1663:179-188.

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

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