

Product Name: C11 BODIPY 581/591*Item No.: MED26114*Purity Specification: $\geq 95\%$ Molecular Formula : C₃₀H₃₅BF₂N₂O₂

CAS Number: 217075-36-0 Formula Weight : 504.4189864

Ex.Max : 581/591 nm

Em.Max: 500/510 nm

Storage: -20°C

DESCRIPTION

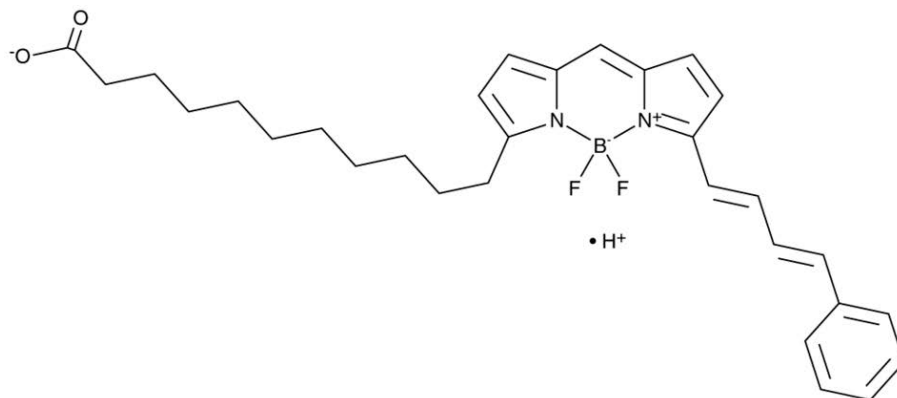
C11 BODIPY 581/591 is supplied as a solid. A stock solution may be made by dissolving the C11 BODIPY 581/591 in the solvent of choice, which should be purged with an inert gas. C11 BODIPY 581/591 is soluble in the organic solvent DMSO at a concentration of approximately 30 mg/ml. C11 BODIPY 581/591 is slightly soluble in methanol.

C11 BODIPY 581/591 is a lipid-soluble ratiometric fluorescent indicator of lipid oxidation. Upon oxidation, its excitation maximum shifts from 581 to 500 nm and the emission maximum shifts from 591 to 510 nm. C11 BODIPY 581/591 has been used in the quantitation of ferroptosis.

REFERENCES

1. Pap, E.H.W., Drummen, G.P.C., Winter, V.J., et al. Ratio-fluorescence microscopy of lipid oxidation in living cells using C11-BODIPY581/591. FEBS Lett. 453(3), 278-282 (1999).
2. Naguib, Y.M.A. A fluorometric method for measurement of peroxy radical scavenging activities of lipophilic antioxidants. Anal. Biochem. 265(2), 290-298 (1998).

Structure :



Conclusion: This batch of products conform the quality inspection standard of the manufacturer