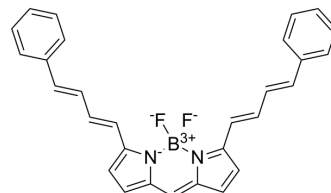


BODIPY 665/676

| | |
|--------------------|--|
| Cat. No.: | HY-D1459 |
| CAS No.: | 164106-16-5 |
| Molecular Formula: | C ₂₉ H ₂₃ BF ₂ N ₂ |
| Molecular Weight: | 448.31 |
| Target: | Fluorescent Dye |
| Pathway: | Others |
| Storage: | -20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (111.53 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.2306 mL | 11.1530 mL | 22.3060 mL |
| | 5 mM | 0.4461 mL | 2.2306 mL | 4.4612 mL |
| | 10 mM | 0.2231 mL | 1.1153 mL | 2.2306 mL |

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

BIOLOGICAL ACTIVITY

Description

BODIPY 665/676 is a lipophilic radical-sensitive fluorescent probe that can be used to study radical-driven lipid autoxidation [1].

REFERENCES

[1]. Piret Raudsepp, et al. Evidence for transfer of radicals between oil-in-water emulsion droplets as detected by the probe (E,E)-3,5-bis(4-phenyl-1,3-butadienyl)-4,4-difluoro-4-bora-3a,4a-diaza-s-indacene, BODIPY(665/676.). J Agric Food Chem. 2014 Dec 24;62

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

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