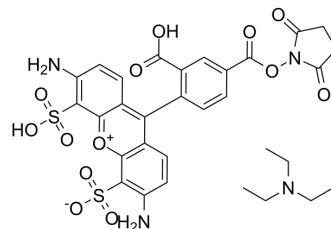


## AF488 NHS ester TEA

Cat. No.:	HY-D1730A
Molecular Formula:	C <sub>31</sub> H <sub>32</sub> N <sub>4</sub> O <sub>13</sub> S <sub>2</sub>
Molecular Weight:	732.73
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

**In Vitro** H<sub>2</sub>O : 0.5 mg/mL (0.68 mM; ultrasonic and warming and heat to 60°C)

### BIOLOGICAL ACTIVITY

**Description** AF488 NHS ester TEA is an amine specific fluorescence probe (Em=525 nm). AF488 NHS ester reacts with sulfhydryl groups and amines in aqueous and biological samples then change their chemical structure and fluorescence properties after derivatization<sup>[1]</sup>.

### REFERENCES

[1]. Korlach J, et al. Long, processive enzymatic DNA synthesis using 100% dye-labeled terminal phosphate-linked nucleotides. *Nucleosides Nucleotides Nucleic Acids*. 2008 Sep;27(9):1072-83.

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

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