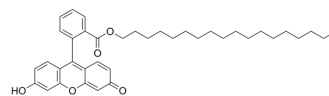


## Fluorescein octadecyl ester

Cat. No.:	HY-134564
CAS No.:	138833-46-2
Molecular Formula:	C <sub>38</sub> H <sub>48</sub> O <sub>5</sub>
Molecular Weight:	584.78
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Fluorescein octadecyl ester is a lipophilic fluorescent reagent is immobilized in a plasticized PVC membrane. Fluorescein octadecyl ester can reversibly recognize alcohol molecules and can be used to determine the concentration of ethanol in alcoholic drinks. Fluorescein octadecyl ester can be used as acceptor to make optrode membrane for the determination of picric acid<sup>[1][2]</sup>.

### REFERENCES

[1]. Zeng HH, et al. Development of an alcohol optode membrane based on fluorescence enhancement of fluorescein derivatives. *Talanta*. 1994 Jun;41(6):969-75.

[2]. Hui-HuiZeng, et al. Development of an optrode membrane for the determination of picric acid based on fluorescence energy transfer. 1994, 271-277.

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

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