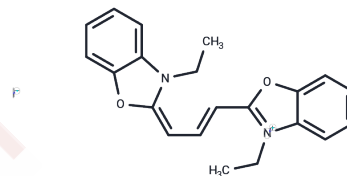


## 3,3'-Diethyloxacarbocyanine iodide

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 905-96-4  |
| Formula:          | C <sub>21</sub> H <sub>21</sub> IN <sub>2</sub> O <sub>2</sub>  |
| Molecular Weight: | 460.31  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |   |
|---------------|---|
| Description   | 3,3'-Diethyloxacarbocyanine iodide serves as a microviscosity probe in micelles and microemulsions. |
| Targets(IC50) | Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1724 mL | 10.8622 mL | 21.7245 mL |
| 5 mM  | 0.4345 mL | 2.1724 mL  | 4.3449 mL  |
| 10 mM | 0.2172 mL | 1.0862 mL  | 2.1724 mL  |
| 50 mM | 0.0434 mL | 0.2172 mL  | 0.4345 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

SaswatiBasu, et al. 3,3'-Diethyloxacarbocyanine iodide: A new microviscosity probe for micelles and microemulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*.

E L Sievers, et al. Selective ablation of acute myeloid leukemia using antibody-targeted chemotherapy: a phase I study of an anti-CD33 calicheamicin immunoconjugate. *Blood*. 1999 Jun 1;93(11):3678-84.

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