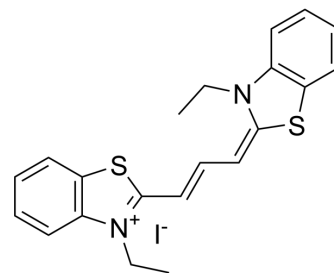


3,3-Diethylthiacarbocyanine iodide

Cat. No.:	HY-W111907
CAS No.:	905-97-5
Molecular Formula:	C ₂₁ H ₂₁ IN ₂ S ₂
Molecular Weight:	492.44
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (203.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0307 mL	10.1535 mL	20.3070 mL
	5 mM	0.4061 mL	2.0307 mL	4.0614 mL
	10 mM	0.2031 mL	1.0154 mL	2.0307 mL

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

BIOLOGICAL ACTIVITY

Description

3,3-Diethylthiacarbocyanine iodide is a cyanine dye. 3,3-Diethylthiacarbocyanine iodide can be used in photochemical methods^{[1][2]}.

REFERENCES

- [1]. NK Petrov, et al. The effect of cucurbit[7]uril on photophysical properties of aqueous solution of 3,3'-diethylthiacarbocyanine iodide dye. Chemical Physics Letters. 2009, 96-99.
- [2]. M Y. Anikovskiy, et al. Complex formation between 3,3'-diethylthiacarbocyanine iodide and DNA and its investigation in aqueous solution. International Journal of Photoenergy. 1999.

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

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