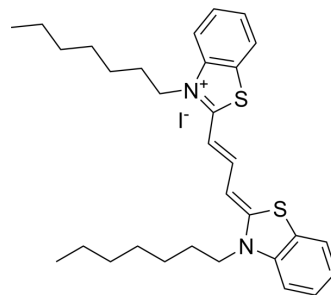


3,3'-Diheptylthiacarbocyanine iodide

Cat. No.:	HY-D1624
CAS No.:	53213-88-0
Molecular Formula:	C ₃₁ H ₄₁ IN ₂ S ₂
Molecular Weight:	632.71
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3,3'-Diheptylthiacarbocyanine iodide is a cyanine dye for measuring membrane potential. ($\lambda_{\text{ex}}=562 \text{ nm}$, $\lambda_{\text{em}}=575 \text{ nm}$) ^[1] .
In Vivo	☒☒☒☒ MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sims PJ, et, al. Studies on the mechanism by which cyanine dyes measure membrane potential in red blood cells and phosphatidylcholine vesicles. *Biochemistry*. 1974 Jul 30;13(16):3315-30.

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

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