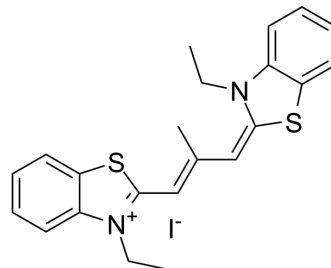


3,3'-Diethyl-9-methylthiacarbocyanine iodide

Cat. No.:	HY-111935
CAS No.:	3065-79-0
Molecular Formula:	C ₂₂ H ₂₃ IN ₂ S ₂
Molecular Weight:	506.47
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3,3'-Diethyl-9-methylthiacarbocyanine iodide is a cyanine dye, also a tau aggregation inhibitor, with an IC ₅₀ value of 0.28 μM for tau. 3,3'-Diethyl-9-methylthiacarbocyanine iodide can cause misfunction of the microtubule cytoskeleton. 3,3'-Diethyl-9-methylthiacarbocyanine iodide can be used for researching Alzheimer's disease ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.28 μM (tau) ^[1]

REFERENCES

[1]. Chang E, et al. Structure-activity relationship of cyanine tau aggregation inhibitors. J Med Chem. 2009 Jun 11;52(11):3539-47.

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

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