

Certificate of Analysis

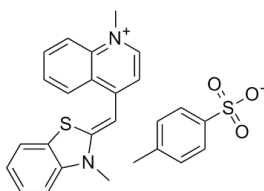
Product Name: Thiazole Orange
Cat. No.: HY-D0150
CAS No.: 107091-89-4
Batch No.: 20039
Chemical Name: Quinolinium, 1-methyl-4-[(3-methyl-2(3H)-benzothiazolylidene)methyl]-, 4-methylbenzenesulfonate (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₂₆H₂₄N₂O₃S₂
Molecular Weight: 476.61
Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance: Pink to red (Solid)
¹H NMR Spectrum: Consistent with structure
LCMS: Consistent with structure
Purity (LCMS): 99.82%
Conclusion: The product has been tested and complies with the given specifications.

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

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