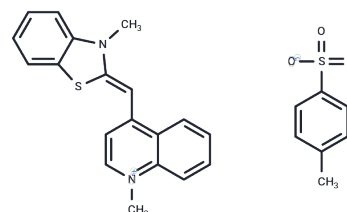


Thiazole Orange

Chemical Properties

CAS No. : 107091-89-4
Formula: C₂₆H₂₄N₂O₃S₂
Molecular Weight: 476.61
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Thiazole Orange is a dye that can be used for reticulocyte analysis.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble), DMSO: 25 mg/mL (52.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0982 mL	10.4908 mL	20.9815 mL
5 mM	0.4196 mL	2.0982 mL	4.1963 mL
10 mM	0.2098 mL	1.0491 mL	2.0982 mL
50 mM	0.042 mL	0.2098 mL	0.4196 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.

Reference

Linda G. Le, et al. Thiazole Orange: A New Dye for Reticulocyte Analysis. cytometry 7:508-517 (1986)

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481