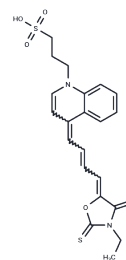


NK 2367

Chemical Properties

CAS No. :	71960-70-8
Formula:	C ₂₁ H ₂₂ N ₂ O ₅ S ₂
Molecular Weight:	446.54
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	NK 2367 is a merocyanine-oxazolone dye that is membrane potential-sensitive.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2394 mL	11.1972 mL	22.3944 mL
5 mM	0.4479 mL	2.2394 mL	4.4789 mL
10 mM	0.2239 mL	1.1197 mL	2.2394 mL
50 mM	0.0448 mL	0.2239 mL	0.4479 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Nakajima S, Gilai A. Radial propagation of muscle action potential along the tubular system examined by potential-sensitive dyes. *J Gen Physiol.* 1980 Dec;76(6):751-62. PubMed PMID: 10822502; PubMed Central PMCID: PMC2228607.
- Delay M, Ribalet B, Vergara J. Caffeine potentiation of calcium release in frog skeletal muscle fibres. *J Physiol.* 1986 Jun;375:535-59. PubMed PMID: 3795067; PubMed Central PMCID: PMC1182774.
- Senseman DM, Salzberg BM. Electrical activity in an exocrine gland: optical recording with a potentiometric dye. *Science.* 1980 Jun 13;208(4449):1269-71. PubMed PMID: 7375937.
- Heiny JA, Vergara J. Optical signals from surface and T system membranes in skeletal muscle fibers. Experiments with the potentiometric dye NK2367. *J Gen Physiol.* 1982 Aug;80(2):203-30. PubMed PMID: 6981683; PubMed Central PMCID: PMC2228674.

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