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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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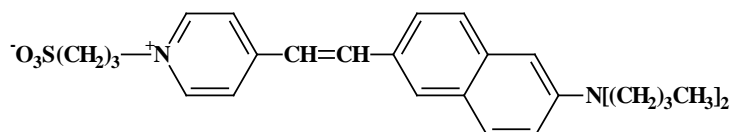
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PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: di-4-ANEPPS**CATALOGUE #:** 61010**MOLECULAR INFORMATION:** C₂₈H₃₆N₂O₃S.
Mwt: 481.**PROPERTIES:**

Color & Form	Orange red solid.
Purity	99% by HPLC
Solubility	Soluble in DMSO, ethanol and DMF
Absorption/Emission	496 nm / 705 nm (MeOH)
Extinction Coefficient	39,000 (MeOH)

STORAGE AND HANDLING: Store desiccated at ≤ 4°C and protect from light especially in solution.**APPLICATION:** Di-4-ANEPPS is a fast-responding membrane potential dye. It responds to alterations in membrane potential with opposite changes in fluorescence excitation intensity at 440 and 505 nm. The changes can be correlated by ratiometric methods to the changes in the membrane potential of the cell.

It is developed by Loew for spatially resolved optical imaging of membrane potential. It has been used to image spiral waves of membrane potential in canine epicardial muscle, and to measure membrane potentials of nonexcitable cells.

Ref: Davidenko, J.M., et al. *Nature* **355**, 349(1992); Fromberz, P., et al. *Biochim. Biophys. Acta* **1068**, 149(1991).

TOXICITY: Unknown.

FIRST AID:	Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.
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