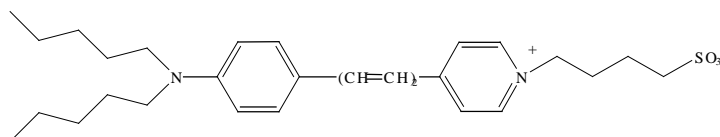


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: **RH 421** (N-(4-sulfobutyl)-4-(4-(4-(dipentylamino)phenyl)butadienyl)pyridinium, inner salt)

CATALOGUE #: **61017**

MOLECULAR INFORMATION: C₂₉H₄₂N₂O₃S.
Mwt: 498.72.
[107610-19-5]

**PROPERTIES:**

Color & Form Red solid.
Solubility Soluble in DMSO, EtOH and DMF
Absorption/Emission 515nm / 704nm (MeOH)
Extinction Coefficient 50,000 (MeOH)

STORAGE AND HANDLING: Store desiccated at ≤ -20°C and protect from light especially in solution.

APPLICATION: RH421 is a fast responding membrane potential dye, exhibiting >20% fluorescence change per 100 mV on neuroblastoma cells.

Ref.: *Biophys. J.* **42**, 195(1983)

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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