

# Product Information

## RH421

Catalog Number: R4016

Product Size: 5 mg

Application Scope: Membrane potential staining

## Parameters

Appearance: Red solid soluble in DMSO, DMF or EtOH

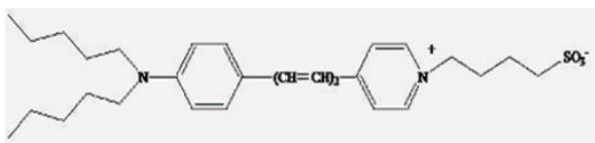
Ex/Em (MeOH): 515/704 nm

CAS No.: 107610-19-5

Molecular Formula: C<sub>29</sub>H<sub>42</sub>N<sub>2</sub>O<sub>3</sub>S

Molecular Weight: 498.72

Molecular Structure:



## Storage

Store at -20°C and protect from light. When stored as directed,

product is stable for at least 12 months.

## Description

RH421 is a fast responding membrane potential dye, widely used for the detection of neuronal transmembrane potential, synaptic activity and ion channel activity. Exhibiting >20% fluorescence change per 100 mV on neuroblastoma cells.

## Notes

1. There are quenching problems with fluorescent dyes. Please avoid light to slow down the fluorescence quenching.
2. For your safety and health, please wear lab coats and disposable gloves.

