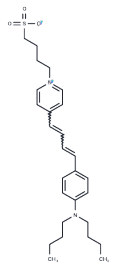
# Data Sheet (Cat.No.T34312)

TargetMol

## RH 160

### Chemical Properties



CAS No. : 83668-92-2

Formula: C27H38N2O3S

Molecular Weight: 470.67

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | RH 160 is a special lipid-soluble dye. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.1246 mL | 10.6232 mL | 21.2463 mL |
| 5 mM | 0.4249 mL | 2.1246 mL | 4.2493 mL |
| 10 mM | 0.2125 mL | 1.0623 mL | 2.1246 mL |
| 50 mM | 0.0425 mL | 0.2125 mL | 0.4249 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


Malkov DY, Sokolov VS. Fluorescent styryl dyes of the RH series affect a potential drop on the membrane/solution boundary. Biochim Biophys Acta. 1996 Jan 31;1278(2):197-204. PubMed PMID: 8593277.

Ostroumova OS, Efimova SS, Schagina LV. Probing amphotericin B single channel activity by membrane dipole modifiers. PLoS One. 2012;7(1):e30261. doi: 10.1371/journal.pone.0030261. Epub 2012 Jan 19. PubMed PMID: 22276169; PubMed Central PMCID: PMC3261894.

Malkov DY, Pavlov KV, Sokolov VS. Dipole potential drop due to RH-dye adsorption on the lipid bilayer and its influence on Na+/K+-ATPase activity. Ann N Y Acad Sci. 1997 Nov 3;834:357-60. PubMed PMID: 9432911.

Crowe WE, Leader JP. Resistive properties of the epithelial membranes of the urinary bladder of the toad, Bufo marinus, determined using the fluorescent dye, RH160. Pflugers Arch. 1994 Jun;427(3-4):210-8. PubMed PMID: 8072838.

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