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# RH795

The styryl dye RH795 is a fast-responding potentiometric probe that is primarily used for functional imaging of neurons. The dye is spectrally similar to RH414 (61016), but exhibits different physiological effects during staining. For example, RH414 causes arterial constriction during cortex staining, while RH795 does not (see references 1,2).

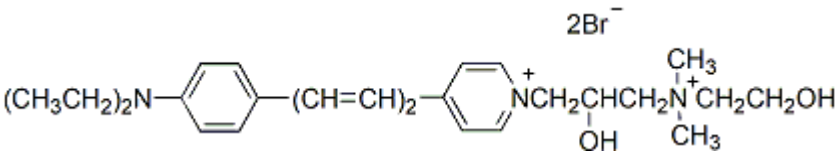
### Product attributes

| | |
|---|---|
| **CAS number** | 172807-13-5 |
| **For live or fixed cells** | For live/intact cells |
| **Potential dependence** | Fast-response membrane potential dye |
| **Colors** | Far-red |
| **Excitation/Emission** | 530/712 nm (see product description) |

## Product Description

The styryl dye RH795 is a fast-responding potentiometric probe that is primarily used for functional imaging of neurons. The dye is spectrally similar to RH414 (#61016), but exhibits different physiological effects during staining. For example, RH414 causes arterial constriction during cortex staining, while RH795 does not (see references 1,2). The excitation/emission data below are for the dye in methanol. In cell membranes, the spectra of styryl dyes are typically blue-shifted by as much as 20 nm for absorption or excitation and 80 nm for emission.

- $\lambda_{Ex}/\lambda_{Em}$ (MeOH) = 530/712 nm
- Orange red solid soluble in H2O
- Store at -20°C and protect from light
- $C_{26}H_{39}Br_2N_3O_2$
- MW: 585.42
- [172807-13-5]




## References


1. Nature 324, 361 (1986).

2. J Neurosci 14, 2545 (1994).

3. PLoS ONE 8(10), e75678 (2013).