

RH795

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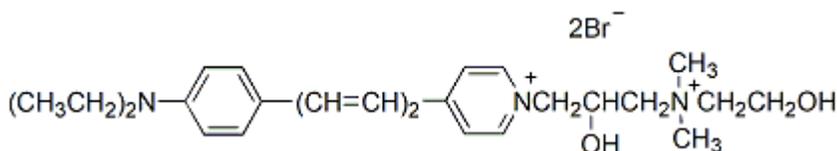
Product attributes

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
- C₂₆H₃₉Br₂N₃O₂
- 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).

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