Di-2-ANEPEQ

Membrane Potential Detector

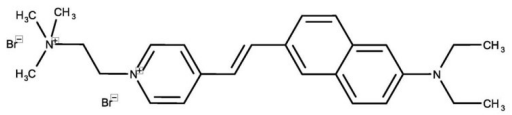
Di-2-ANEPEQ, also referred to as JPW1114, is a member of the ANEP class of membrane potential dyes. These dyes are weakly fluorescent in aqueous media, and become strongly fluorescent upon binding to lipophilic environments such as membranes. A change in the surrounding electronic field demonstrates a membrane potential-dependent shift in excitation spectra. The response is sufficiently fast to detect transient (millisecond) potential changes in excitable cells, including single neurons, cardiac cells and intact brains. The dye can be applied directly to brain tissues and is usually introduced into cells via microinjection. Wavelength Maxima: Excitation 517nm, Emission 721nm

Citations: 1 View Online »

Ordering Information Order Online »

ENZ-52201	5mg

Manuals, SDS & CofA View Online »


H3C
CH3
Br
N+
H3C
N+
Br
N
CH3
CH3

Handling & Storage

Use/Stability	Stable for at least one year after receipt when stored as recommended.
Handling	Protect from light. Keep cool and dry.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	JPW1114
CAS	160605-94-7
Formula	$C_{26}H_{35}Br_2N_3$
MW	549.4
Purity	≥90% (HPLC)
Solubility	Soluble in DMSO.
Technical Info / Product Notes	This product is a member of the CELLESTIAL® product line, reagents and assay kits comprising fluorescent molecular probes that have been extensively benchmarked for live cell analysis applications. CELLESTIAL® reagents and kits are optimal for use in demanding imaging applications, such as confocal microscopy, flow cytometry and HCS, where consistency and reproducibility are required.

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