DIBAC4(3) (ultra pure)

Membrane Potential Detector

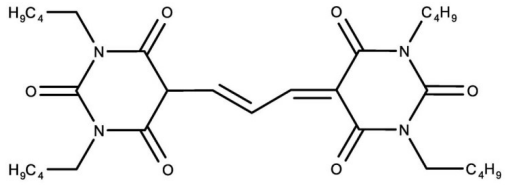
DiBAC4(3) is a sensitive slow-response probe for measuring cellular membrane potential. In general, slow-response probes exhibit potential-dependent changes in their transmembrane distribution that are accompanied by a fluorescence change. The magnitude of response is much larger than fast-response probes. Slow-response probes, which include cationic carbocyanines, rhodamines and anionic oxonols, are suitable for detecting changes in average membrane potentials of nonexcitable cells caused by respiratory activity, ion-channel permeability, drug binding and other factors. DiBAC4(3) has been employed in flow cytometry to monitor antibacterial activity of defensins. Wavelength Maxima: Excitation 493nm, Emission 516nm

Citations: 3 View Online »

Ordering Information Order Online »

ENZ-52205	25mg

Manuals, SDS & CofA View Online »


H9C4
O
N
O
N
H9C4
O
O
O
N
C4H9
O
N
O
C4H9

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	bis-(1,3-Dibarbituric acid)-trimethine oxonol
CAS	70363-83-6
Formula	$C_{27}H_{40}N_4O_6$
MW	516.6
Purity	≥98% (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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