DiIC1(5) iodide (ultra pure)

Membrane dye

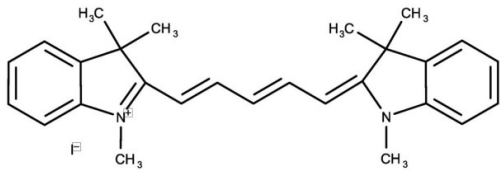
DiI, DiO, DiD and DiR dyes are a family of lipophilic fluorescent stains for labeling membranes and other hydrophobic structures. The fluorescence of these environmentsensitive dyes is greatly enhanced when incorporated into membranes or bound to lipophilic biomolecules such as proteins although they are weakly fluorescent in water. Once applied to cells, these dyes diffuse laterally within the cellular plasma membranes, resulting in even staining of the entire cell at their optimal concentrations. The carbocyanine dye DiIC1(5) has been used to measure mitochondrial membrane potential in apoptotic cells with a loss in membrane potential reflected in a loss in fluorescence signal in the infrared channel.
Wavelength Maxima: Excitation 638nm, Emission 658nm

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Ordering Information Order Online »

ENZ-52207	100mg

Manuals, SDS & CofA View Online »


H3C
CH3
H3C
CH3
N+
CH3
I-
N
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	1,1’,3,3,3’,3’-Hexamethylindodicarbocyanine iodide
CAS	36536-22-8
MW	510.5
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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