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DiD

DiD (DiIC18(5); 1,1'-dioctadecyl-3,3,3',3'-tetramethylindodicarbocyanine, 4-chlorobenzenesulfonate salt) is a lipophilic carbocyanine dye similar to DiI, but with longer absorption and emission wavelengths.

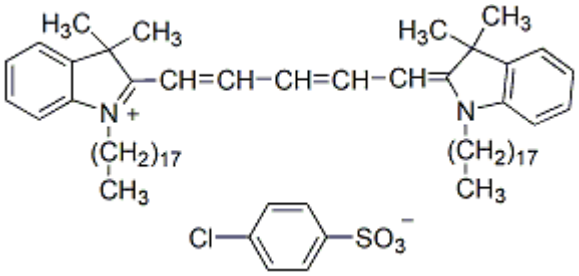
Product attributes

CAS number	127274-91-3
Probe cellular localization	Membrane/cell surface, Membrane/vesicular
For live or fixed cells	For fixed cells, For live/intact cells
Assay type/options	Co-cultures, Extended staining (several days to weeks)
Fixation options	Fix before staining (formaldehyde), Fix after staining (formaldehyde), Permeabilize before staining
Colors	Far-red
Excitation/Emission	644/663 nm

Product Description

DiD (DiIC18(5); 1,1′-dioctadecyl-3,3,3′,3′- tetramethylindodicarbocyanine, 4-chlorobenzenesulfonate salt) is a lipophilic carbocyanine dye similar to DiI, but with longer absorption and emission wavelengths. DiR, DiD, DiI and Neuro-DiO can be used in combination for multicolor imaging. DiD is also available in CellBrite™ Red, a ready-to-use cell labeling solution.

- $\lambda_{Ex}/\lambda_{Em}$ (MeOH) = 644/663 nm
- ε= 193,000
- Dark blue solid soluble in ethanol, DMF or DMSO
- Store at 4°C and protect from light
- $C_{67}H_{103}ClN_2O_3S$
- MW: 1052.1
- [127274-91-3]



References

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2. Artificial Cells, Nanomedicine, and Biotechnology(2018), doi: 10.1080/21691401.2018.1445093