

## Dilinoleyl Dil

Dilinoleyl Dil (1,1'-dilinoyleyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate), also known as FAST Dil™, has identical absorption and emission spectra as Dil (#60010) .



### Product attributes

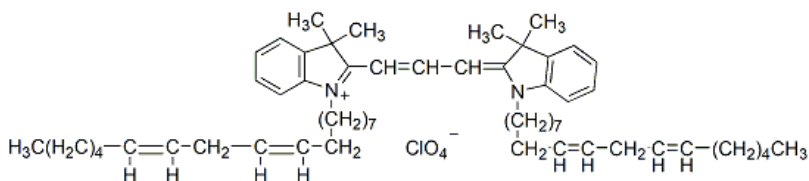
<b>Probe cellular localization</b>	Membrane/cell surface, Membrane/vesicular
<b>For live or fixed cells</b>	For fixed cells, For live/intact cells
<b>Assay type/options</b>	Co-cultures, Extended staining (several days to weeks)
<b>Fixation options</b>	Fix before staining (formaldehyde), Fix after staining (formaldehyde), Permeabilize before staining
<b>Colors</b>	Red
<b>Excitation/Emission</b>	549/565 nm

## Product Description

Dilinoleyl Dil (1,1'-dilinoyleyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate), also known as FAST Dil™, has identical absorption and emission spectra as Dil™ (#60010) . Due to its unsaturated hydrocarbon chains, dilinoleyl Dil has a much faster lateral diffusion rate in cell membranes than Dil . This property makes dilinoleyl Dil particularly useful for tracing neurons in tissues. Also see [Neuro-Dil](#).

- $\lambda_{Ex}/\lambda_{Em}$  (MeOH) = 549/565 nm
- $\epsilon = 148,000$
- Dark red oily paste soluble in ethanol, DMF or DMSO
- Store at -20°C and protect from light
- $C_{59}H_{89}ClN_2O_4$
- MW: 925.82

Chemical Structure:



Fast Dil is a trademark of Thermo Fisher Scientific.

## References

1. Neuroreport 8, 3965 (1997).
2. Biophys J 70, 988 (1996).
3. J Cell Biol 134, 1427 (1996).

This datasheet was generated on May 8, 2026 at 04:06:27 PM. Visit product page to check for updated information before use.

Product link: <https://biotium-woo.supremeclients.com/product/dilinoleyl-dii-also-called-fast-dii1-or-11-dilinoleyl-3333-tetramethylindocarbocyanine-perchlorate/>