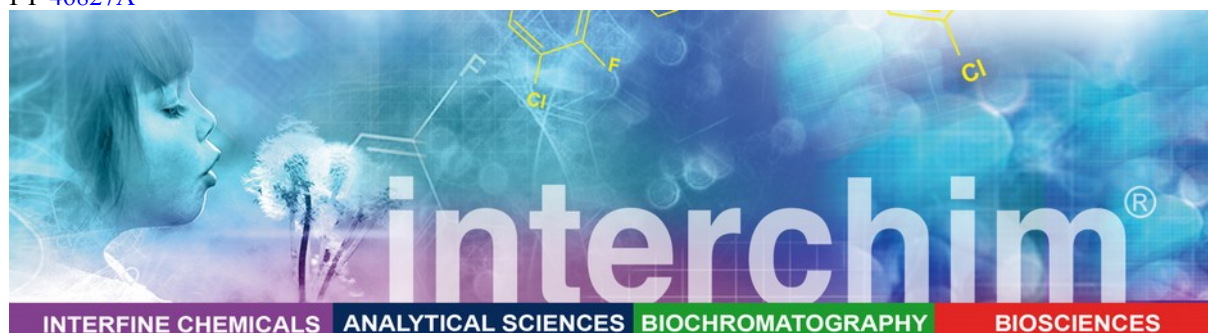


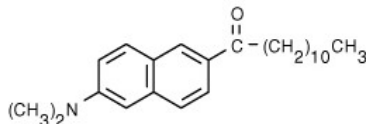
FT-46827A



## Laurdan

When the lipophilic probe laurdan is incorporated into membranes, its fluorescence spectra is sensitive to the physical state of the surrounding phospholipids.

### Products Information

<b>Name :</b>  <b>Catalog Number :</b>  <b>Molecular Weight :</b> <b>Solubility:</b> <b><math>\lambda_{Ex./Em.}</math> (nm)</b>  <b><math>\epsilon</math></b>	<b>Laurdan</b> 6-Dodecanoyl-2-Dimethylaminonaphthalene CAS [74515-25-6] <b>FP-468279</b> , 25mg <b>FP-46827A</b> , 100mg  <b>353.55</b> DMF, MeCN 364/401 (cyclohexane), 440 (CHCl <sub>3</sub> ), 462 (MeCN), 496 (EtOH), 531 (H <sub>2</sub> O)  20,000 M <sup>-1</sup> cm <sup>-1</sup>	
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Storage:                      Room temperature                      Protect from light and moisture

### Technical information

The Laurdan is the the lipophilic derivative of Prodan, membrane probe with environment-sensitive spectral shifts.

### References

**Suga K. et al.**, Gel-Phase-like Ordered Membrane Properties Observed in Dispersed Oleic Acid/1-Oleoylglycerol Self-Assemblies: Systematic Characterization Using Raman Spectroscopy and a Laurdan Fluorescent Probe, *Langmuir*, 34 (5), pp 2081–2088 (2018)

**Watanabe N. et al.**, Solvatochromic Property in Lipid Bilayer Interphases Evaluated from the Deconvolution of Time Resolved Emission Spectrum of Laurdan, *Biophysical Journal*, 114 :3, Supplement 1, p261a (2018)

### Ordering information

Catalog size quantities and prices may be found at <http://www.fluoprobes.com>  
 Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® Hotline : +33(0)4 70 03 73 06

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