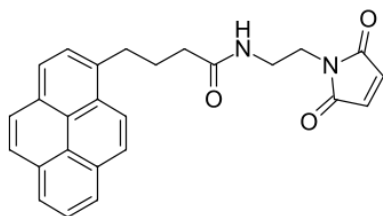


## Pyrene maleimide

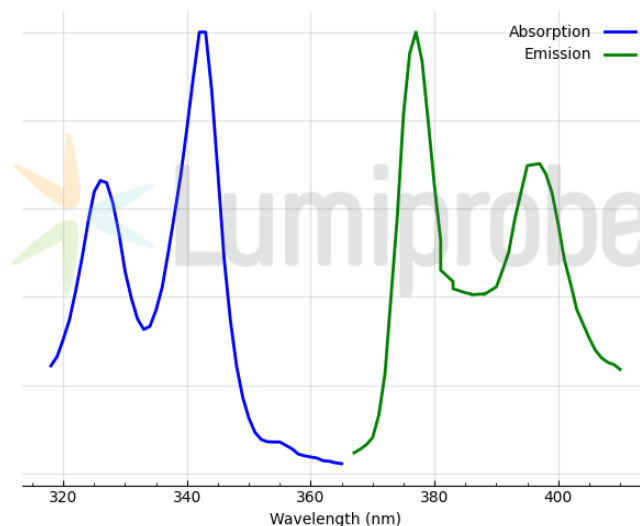
<http://www.lumiprobe.com/p/pyrene-maleimide>

Pyrene is a fluorescent hydrocarbon which emits in blue region. This is a maleimide derivative of pyrenebutyric acid which reacts with thiols.

Pyrene is a useful proximity probe because two pyrene residues close to each other exhibit strong excimer fluorescence.



**Structure of Pyrene maleimide**



**Absorption and emission spectra of pyrene fluorophore**

### General properties

Appearance:	off white solid
Mass spec M+ increment:	410.2
Molecular weight:	410.46
CAS number:	1869968-64-8
Molecular formula:	C <sub>26</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>
Solubility:	well soluble in chlorinated organic solvents
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

### Spectral properties

Excitation/absorption maximum, nm: 343; 326; 313; 276; 265; 242; 234

Emission maximum, nm: 377; 397