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## Pyrenebutyric acid

<http://www.lumiprobe.com/p/pyrenebutyric-carboxylic-acid>

Pyrenylbutyric acid is a derivative of pyrene hydrocarbon with a free carboxylic acid function. The reagent is useful as a control for experiments with other reactive pyrene derivatives such as [pyrene NHS ester](#) and [pyrene azide](#). Carboxylic acid function can be activated by carbodiimides and other activating reagents.



### Structure of Pyrenebutyric acid



### Absorption and emission spectra of pyrene fluorophore

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#### General properties

Appearance:	off white solid
Molecular weight:	288.34
CAS number:	3443-45-6
Molecular formula:	C <sub>20</sub> H <sub>16</sub> O <sub>2</sub>
Solubility:	good in DCM, chloroform
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.

#### Spectral properties

Excitation/absorption maximum, nm:	343; 326; 313; 276; 265; 242; 234
Emission maximum, nm:	377; 397