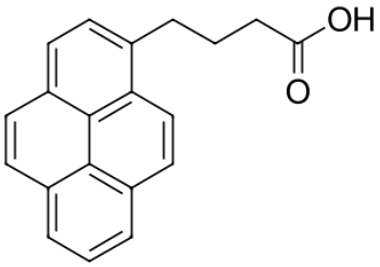
Lumiprobe Corporation
115 Airport Dr Suite 160
Westminster, Maryland 21157
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

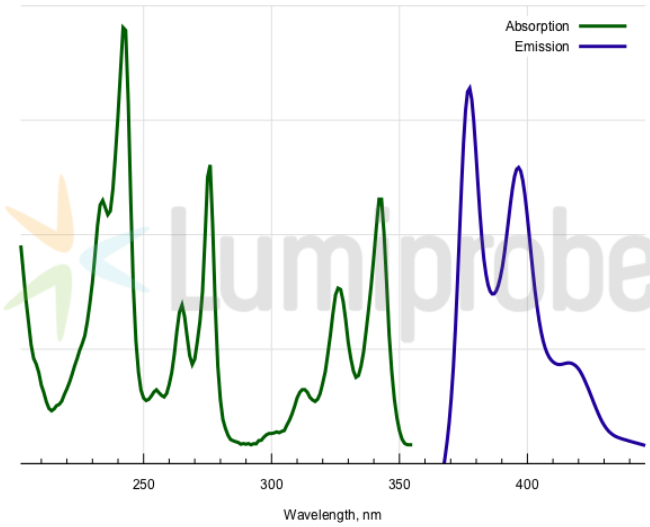
Pyrenebutyric acid

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

General properties

Appearance:	off white solid
Molecular weight:	288.34
CAS number:	3443-45-6
Molecular formula:	$C_{20}H_{16}O_2$
Solubility:	good in DCM, chloroform
Quality control:	NMR ^{1}H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
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