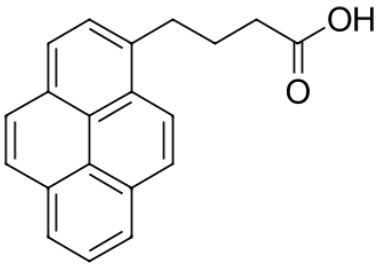
Lumiprobe Corporation
201 International Circle, Suite 135
Hunt Valley, Maryland 21030
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

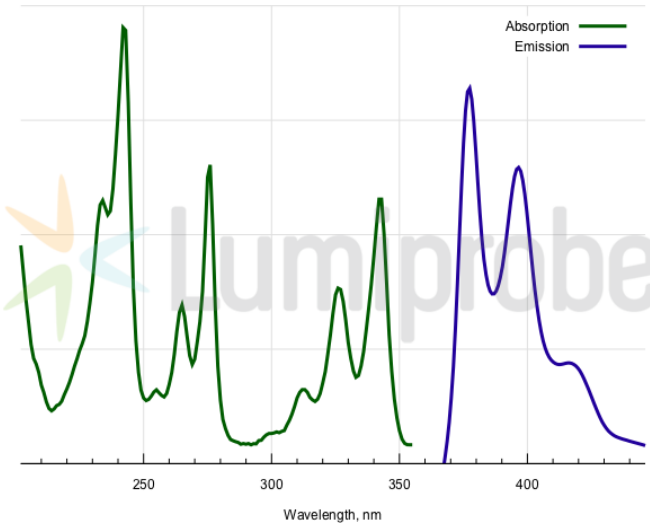
Pyrenebutyric acid

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 ^1H, 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.

Spectral properties

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