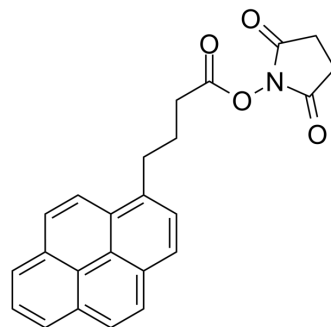


1-Pyrenebutyric acid N-hydroxysuccinimide ester

Cat. No.:	HY-W013151		
CAS No.:	114932-60-4		
Molecular Formula:	C ₂₄ H ₁₉ NO ₄		
Molecular Weight:	385.41		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (259.46 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5946 mL	12.9732 mL	25.9464 mL
	5 mM	0.5189 mL	2.5946 mL	5.1893 mL
	10 mM	0.2595 mL	1.2973 mL	2.5946 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (6.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (6.49 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1-Pyrenebutyric acid N-hydroxysuccinimide ester (PANHS) is a linker which can be used to fabricate some electrochemical biosensors. 1-Pyrenebutyric acid N-hydroxysuccinimide ester is commonly found in organic chemistry or biochemistry where it is used as an activating reagent for carboxylic acids^{[1][2]}.

REFERENCES

[1]. Benvidi A, et al. Comparison of impedimetric detection of DNA hybridization on the various biosensors based on modified glassy carbon electrodes with PANHS and nanomaterials of RGO and MWCNTs. *Talanta*. 2016 Jan 15;147:621-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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