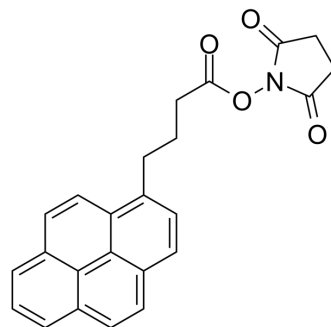


## 1-Pyrenebutyric acid N-hydroxysuccinimide ester

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



### SOLVENT & SOLUBILITY

#### In Vitro

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

	Solvent Concentration	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<sup>[1][2]</sup>.

### 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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