



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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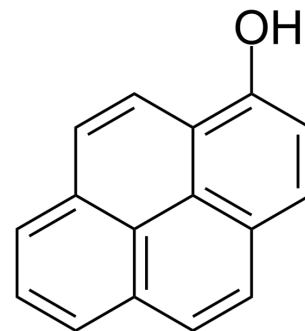
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## 1-Hydroxypyrene

<b>Cat. No.:</b>	HY-W014075		
<b>CAS No.:</b>	5315-79-7		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>10</sub> O		
<b>Molecular Weight:</b>	218.26		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (229.08 mM; Need ultrasonic)			
		<b>Solvent</b>	<b>Mass</b>	
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>
	<b>Preparing Stock Solutions</b>		<b>10 mg</b>	
	<b>1 mM</b>	4.5817 mL	22.9085 mL	45.8169 mL
	<b>5 mM</b>	0.9163 mL	4.5817 mL	9.1634 mL
	<b>10 mM</b>	0.4582 mL	2.2908 mL	4.5817 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.45 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	1-Hydroxypyrene, a biomarker of exposure to polycyclic aromatic hydrocarbons (PAHs), is analyzed in urine samples. 1-Hydroxypyrene is the major biomarker of exposure to pyrenes <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

[1]. Fernando Freitas, et al. Urinary 1-hydroxypyrene Is Associated With Oxidative Stress and Inflammatory Biomarkers in Acute Myocardial Infarction. Int J Environ Res

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

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