



SZABO SCANDIC

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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

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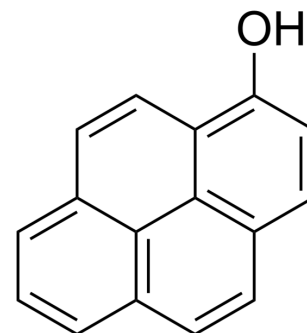
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1-Hydroxypyrene

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



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (229.08 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	4.5817 mL	22.9085 mL	45.8169 mL
		5 mM	0.9163 mL	4.5817 mL	9.1634 mL
		10 mM	0.4582 mL	2.2908 mL	4.5817 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	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

Description	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 ^[1] .
IC ₅₀ & Target	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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