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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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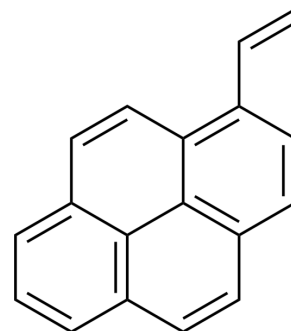
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1-Ethenylpyrene

Cat. No.:	HY-W543743
CAS No.:	17088-21-0
Molecular Formula:	C ₁₈ H ₁₂
Molecular Weight:	228.29
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (438.04 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	4.3804 mL	21.9020 mL	43.8039 mL	
		5 mM	0.8761 mL	4.3804 mL	8.7608 mL	
	10 mM	0.4380 mL	2.1902 mL	4.3804 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: ≥ 5 mg/mL (21.90 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1-Ethenylpyrene (1-Vinylpyrene) is an anti-chemical carcinogen that inhibits the formation of skin tumors initiated by either DMBA (HY-W011845) or Benzo[a]pyrene (HY-107377) ^[1] .
In Vivo	Application of 44 nmol of 1-Ethenylpyrene (1-Vinylpyrene) inhibits tumor initiation by 10 nmol of DMBA approximately 30%; application of 4.4 μmol of 1-Ethenylpyrene (1-Vinylpyrene) inhibits tumor initiation by 200 nmol of Benzo[a]pyrene approximately 56% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. W L Alworth, et al. Potent inhibitory effects of suicide inhibitors of P450 isozymes on 7,12-dimethylbenz[a]anthracene and benzo[a]pyrene initiated skin tumors.

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

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