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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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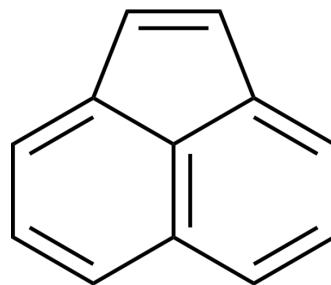
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Acenaphthylene

Cat. No.:	HY-W013570		
CAS No.:	208-96-8		
Molecular Formula:	C ₁₂ H ₈		
Molecular Weight:	152.2		
Target:	Others		
Pathway:	Others		
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 : 200 mg/mL (1314.06 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.5703 mL	32.8515 mL	65.7030 mL
	5 mM		1.3141 mL	6.5703 mL	13.1406 mL
	10 mM		0.6570 mL	3.2852 mL	6.5703 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: ≥ 2.08 mg/mL (13.67 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.08 mg/mL (13.67 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (13.67 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Acenaphthylene is a polycyclic aromatic hydrocarbon (PAH). PAHs are derived naturally from coal and tar deposits, and produced by incomplete combustion of organic matter^[1].

CUSTOMER VALIDATION

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- Molecules. 2022 May 13;27(10):3133.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Fabienne Reisen, et al. Reactions of hydroxyl radicals and ozone with acenaphthene and acenaphthylene. Environ Sci Technol. 2002 Oct 15;36(20):4302-11.
- [2]. Amin Kiani, et al. Monitoring of polycyclic aromatic hydrocarbons and probabilistic health risk assessment in yogurt and butter in Iran. Food Sci Nutr. 2021 Feb 14;9(4):2114-2128.
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Caution: Product has not been fully validated for medical applications. For research use only.

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