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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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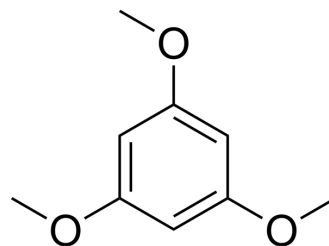
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1,3,5-Trimethoxybenzene

Cat. No.:	HY-Y0678		
CAS No.:	621-23-8		
Molecular Formula:	C ₉ H ₁₂ O ₃		
Molecular Weight:	168.19		
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 : 100 mg/mL (594.57 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.9457 mL	29.7283 mL	59.4566 mL
	5 mM	1.1891 mL	5.9457 mL	11.8913 mL
	10 mM	0.5946 mL	2.9728 mL	5.9457 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 (14.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

1,3,5-Trimethoxybenzene is a key component of the Chinese rose odor. 1,3,5-Trimethoxybenzene is synthesized in three successive methylation steps from phloroglucinol, the initial precursor^[1].

REFERENCES

[1]. Wu S, et al. The key role of phloroglucinol O-methyltransferase in the biosynthesis of Rosa chinensis volatile 1,3,5-trimethoxybenzene. *Plant Physiol.* 2004 May;135(1):95-102.

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

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