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Produktinformation



Forschungsprodukte & Biochemikalien



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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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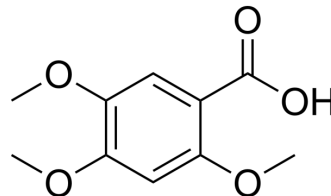
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2,4,5-Trimethoxybenzoic acid

Cat. No.:	HY-Y0586		
CAS No.:	490-64-2		
Molecular Formula:	C ₁₀ H ₁₂ O ₅		
Molecular Weight:	212.2		
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 : 100 mg/mL (471.25 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.7125 mL	23.5627 mL	47.1254 mL
	5 mM	0.9425 mL	4.7125 mL	9.4251 mL
	10 mM	0.4713 mL	2.3563 mL	4.7125 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 (11.78 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (11.78 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.78 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2,4,5-Trimethoxybenzoic acid is a compound identified in purple perilla extracts. 2,4,5-Trimethoxybenzoic acid inhibits M1 macrophage phenotype-mediated inflammation in diabetes^[1].

REFERENCES

[1]. Oh H, et al. Asaronic Acid Attenuates Macrophage Activation toward M1 Phenotype through Inhibition of NF- κ B Pathway and JAK-STAT Signaling in Glucose-Loaded Murine Macrophages. *J Agric Food Chem.* 2019;67(36):10069-10078.

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

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