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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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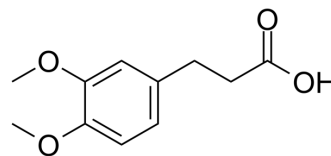
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3-(3,4-Dimethoxyphenyl)propanoic acid

Cat. No.:	HY-Y1620		
CAS No.:	2107-70-2		
Molecular Formula:	C ₁₁ H ₁₄ O ₄		
Molecular Weight:	210.23		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (475.67 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.7567 mL	23.7835 mL	47.5670 mL
				5 mM	0.9513 mL	4.7567 mL	9.5134 mL
				10 mM	0.4757 mL	2.3783 mL	4.7567 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 (11.89 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	3-(3,4-Dimethoxyphenyl)propanoic acid is an orally active short-chain fatty acids (SCFAs). 3-(3,4-Dimethoxyphenyl)propanoic acid stimulates γ globin gene expression, erythropoiesis in vivo and is used for the β hemoglobinopathies and other anemias ^[1] .
In Vivo	3-(3,4-Dimethoxyphenyl)propanoic acid (50, 150 mg/kg of iv or 50, 150, 200 mg/kg of orally) achieves concentrations significantly higher than targeted plasma levels for several hours after single 50 to 150 mg/kg doses ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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