



SZABO SCANDIC

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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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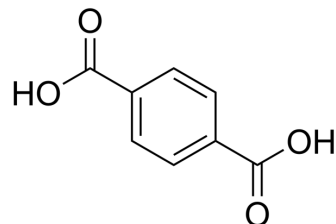
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Terephthalic acid

Cat. No.:	HY-W010098		
CAS No.:	100-21-0		
Molecular Formula:	C ₈ H ₆ O ₄		
Molecular Weight:	166.13		
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 : 20 mg/mL (120.39 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	6.0194 mL	30.0969 mL
	5 mM	1.2039 mL	6.0194 mL	
	10 mM	0.6019 mL	3.0097 mL	
	Please refer to the solubility information to select the appropriate solvent.			
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2 mg/mL (12.04 mM); Suspended solution; Need ultrasonic			
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2 mg/mL (12.04 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Terephthalic acid is one isomer of the three phthalic, a precursor to the polyester PET, used to make clothing and plastic bottles.
In Vivo	Terephthalic acid can be used in animal modeling to construct mouse tumor models.
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Heck HD, et al. The induction of bladder stones by terephthalic acid, dimethyl terephthalate, and melamine (2,4,6-triamino-s-triazine) and its relevance to risk assessment. Regul Toxicol Pharmacol. 1985 Sep;5(3):294-313.

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

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