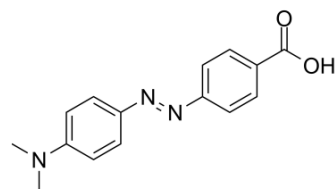


Dabcy acid

Cat. No.:	HY-D1045		
CAS No.:	6268-49-1		
Molecular Formula:	C ₁₅ H ₁₅ N ₃ O ₂		
Molecular Weight:	269.3		
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 : 17.86 mg/mL (66.32 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7133 mL	18.5667 mL	37.1333 mL
	5 mM	0.7427 mL	3.7133 mL	7.4267 mL
	10 mM	0.3713 mL	1.8567 mL	3.7133 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: 1.79 mg/mL (6.65 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 1.79 mg/mL (6.65 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Dabcy acid (Dabcy) is the original dark fluorescence quencher.

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

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