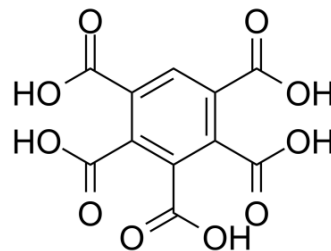


Benzenepentacarboxylic Acid

Cat. No.:	HY-100512		
CAS No.:	1585-40-6		
Molecular Formula:	C ₁₁ H ₆ O ₁₀		
Molecular Weight:	298.16		
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 : ≥ 48 mg/mL (160.99 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3539 mL	16.7695 mL	33.5390 mL
	5 mM	0.6708 mL	3.3539 mL	6.7078 mL
	10 mM	0.3354 mL	1.6770 mL	3.3539 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Benzenepentacarboxylic acid (BA), a novel fluorescent probe to detect and scavenge HO⁻. A specific and reproducible fluorescent probe of HO⁻ developed is utilized to prove and detect the generation of HO⁻ in H₂O₂/TAED and H₂O₂/TBCC alkali systems.

REFERENCES

[1]. Si F et al. Study on H₂O₂/TAED and H₂O₂/TBCC bleaching mechanism related to hydroxyl radical with a fluorescent probe. Carbohydr Polym. 2014 Mar 15;103:581-6.

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

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