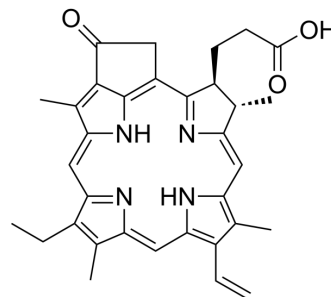


Pyropheophorbide-a

Cat. No.:	HY-128973
CAS No.:	24533-72-0
Molecular Formula:	C ₃₃ H ₃₄ N ₄ O ₃
Molecular Weight:	534.65
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (23.38 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.8704 mL	9.3519 mL	18.7038 mL
			5 mM	0.3741 mL	1.8704 mL	3.7408 mL
10 mM	0.1870 mL	0.9352 mL	1.8704 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: ≥ 1.25 mg/mL (2.34 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.34 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Pyropheophorbide-a (Ppa) is a promising photosensitizer for tumor photodynamic therapy (PDT) ^[1] .
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REFERENCES

[1]. Li W, et al. cRGD Peptide-Conjugated Pyropheophorbide-a Photosensitizers for Tumor Targeting in Photodynamic Therapy. Mol Pharm. 2018 Apr 2;15(4):1505-1514.

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

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