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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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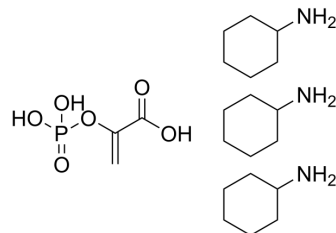
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Phosphoenolpyruvic acid tricyclohexylammonium salt

Cat. No.:	HY-W011704A
CAS No.:	35556-70-8
Molecular Formula:	C ₂₁ H ₄₄ N ₃ O ₆ P
Molecular Weight:	465.56
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (214.80 mM; Need ultrasonic)				
	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions	1 mM	1 mg	5 mg	10 mg
		5 mM	0.4296 mL	2.1480 mL	4.2959 mL
10 mM		0.2148 mL	1.0740 mL	2.1480 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (107.40 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Phosphoenolpyruvic acid tricyclohexylammonium salt is a glycolysis metabolite with a high-energy phosphate group, penetrates the cell membrane and exhibits cytoprotective and anti-oxidative activity ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Kondo Y, et al. Phosphoenolpyruvic acid, an intermediary metabolite of glycolysis, as a potential cytoprotectant and anti-oxidant in HeLa cells. *Biol Pharm Bull.* 2012;35(4):606-11.

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

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