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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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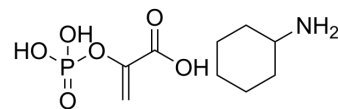
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Phosphoenolpyruvic acid cyclohexylammonium salt

Cat. No.:	HY-W011704		
CAS No.:	10526-80-4		
Molecular Formula:	C ₉ H ₁₈ NO ₆ P		
Molecular Weight:	267.22		
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 : 100 mg/mL (374.22 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7422 mL	18.7112 mL	37.4224 mL
	5 mM	0.7484 mL	3.7422 mL	7.4845 mL
	10 mM	0.3742 mL	1.8711 mL	3.7422 mL

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

BIOLOGICAL ACTIVITY

Description

Phosphoenolpyruvic acid cyclohexylammonium salt is the cyclohexylammonium salt form of phosphoenolpyruvic acid. Phosphoenolpyruvic acid cyclohexylammonium salt is involved in glycolysis and gluconeogenesis, and used as energy source to produce ATP, under the energy-limited conditions. Phosphoenolpyruvic acid cyclohexylammonium salt also exhibits cytoprotective and anti-oxidative properties^[1].

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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