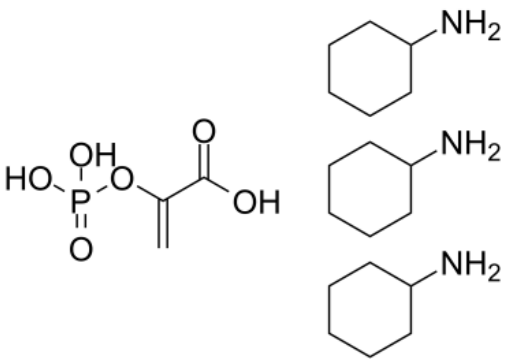
Product Data Sheet

Product Name: Phosphoenolpyruvic acid tricyclohexylammonium salt
Cat. No.: GC38307

Chemical Properties

Cas. No.	35556-70-8		
SMILES	NC1CCCCC1.NC2CCCCC2.NC3CCCCC3.C=C(OP(O)(O)=O)C(O)=O		
Formula	$C_{21}H_{44}N_3O_6P$	M.Wt	465.56
Solubility	H_2O : 100 mg/mL (214.80 mM; Need ultrasonic); DMSO : < 1 mg/mL (insoluble or slightly soluble)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Phosphoenolpyruvic acid tricyclohexylammoniu?m salt is a glycolysis metabolite with a high-energy phosphate group, penetrates the cell membrane and exhibits cytoprotective and anti-oxidative activity[1].

[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.