

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

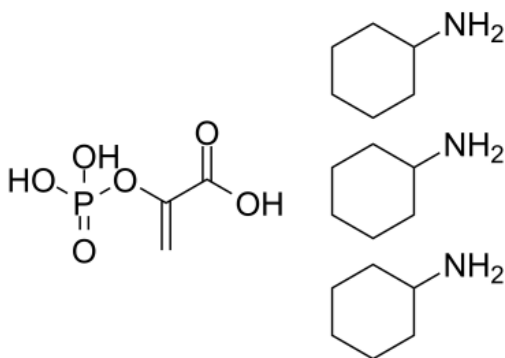
Formula $C_{21}H_{44}N_3O_6P$ M.Wt 465.56

Solubility H_2O : 100 mg/mL (214.80 mM; Need ultrasonic); DMSO : < 1 mg/mL (insoluble or slightly soluble) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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 tricyclohexylammonium 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

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

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cytoprotectant and anti-oxidant in HeLa cells. Biol Pharm Bull. 2012;35(4):606-11.

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