

Product Data Sheet

Product Name: Oxythiamine diphosphate ammonium

Cat. No.: GC63768

Chemical Properties

Cas. No.

Formula

M.Wt

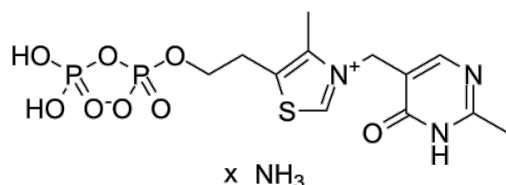
Solubility Water : 12.5 mg/mL (Need ultrasonic)

Storage Store at -20°C, protect from light, stored under nitrogen

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

Oxythiamine diphosphate ammonium is a potent transketolase (TK) inhibitor[1].

Rat liver TK was inhibited at 50% by oxythiamine diphosphate ammonium in concentrations of 0.02-0.2 μM. I50 value of Oxythiamine diphosphate ammonium for yeast transketolase is approximately

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

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0.03 μ M[1].

[1]. Tylicki A, et al. Thiamine and selected thiamine antivitamin - biological activity and methods of synthesis. Biosci Rep. 2018;38(1):BSR20171148. Published 2018 Jan 10.

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