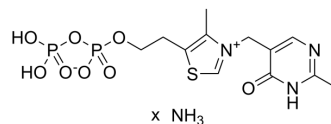


Oxythiamine diphosphate ammonium

Cat. No.:	HY-112889B
Target:	Transketolase
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 12.5 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Oxythiamin diphosphate ammonium is a potent transketolase (TK) inhibitor ^[1] .
In Vitro	Rat liver TK was inhibited at 50% by oxythiamine diphosphate ammonium in concentrations of 0.02-0.2 μM. I ₅₀ value of Oxythiamine diphosphate ammonium for yeast transketolase is approximately 0.03 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cell Chem Biol. 2022 Jul 21;S2451-9456(22)00244-6.

See more customer validations on www.MedChemExpress.com

REFERENCES

[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.

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

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