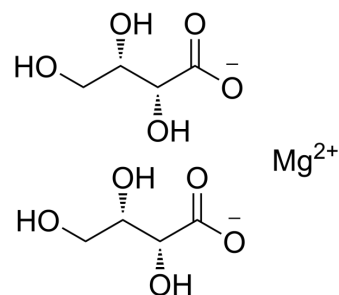


L-Threonic acid magnesium

Cat. No.:	HY-134240
CAS No.:	778571-57-6
Molecular Formula:	C ₈ H ₁₄ MgO ₁₀
Molecular Weight:	294.5
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 3.33 mg/mL (11.31 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3956 mL	16.9779 mL	33.9559 mL
	5 mM	0.6791 mL	3.3956 mL	6.7912 mL
	10 mM	0.3396 mL	1.6978 mL	3.3956 mL

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

BIOLOGICAL ACTIVITY

Description

L-Threonic acid magnesium salt is the enantiomer of Threonic acid and a metabolite of vitamin C. L-Ascorbic acid (L-Ascorbate), an electron donor, is an endogenous antioxidant agent^[1].

REFERENCES

[1]. Sebastian J Padayatty, et al. Vitamin C as an antioxidant: evaluation of its role in disease prevention. J Am Coll Nutr. 2003 Feb;22(1):18-35

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

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