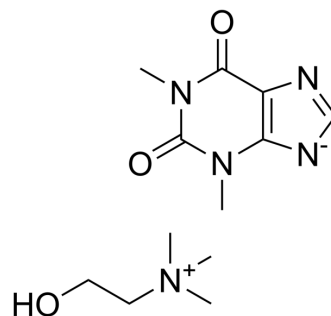


Choline theophyllinate

Cat. No.:	HY-B1718
CAS No.:	4499-40-5
Molecular Formula:	C ₁₂ H ₂₁ N ₅ O ₃
Molecular Weight:	283.33
Target:	Endogenous 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 : 250 mg/mL (882.36 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5295 mL	17.6473 mL	35.2945 mL
	5 mM	0.7059 mL	3.5295 mL	7.0589 mL
	10 mM	0.3529 mL	1.7647 mL	3.5295 mL

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

BIOLOGICAL ACTIVITY

Description

Choline theophyllinate (Oxtriphylline) is a choline salt of theophylline with anti-asthmatic activity^{[1][2]}.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Cell Death Dis. 2022 Oct 3;13(10):845.
- Antioxidants (Basel). 2024 Jan 17;13(1):115.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Brumlik J, Theophylline compounds and myasthenia gravis. II. Clinical report of nine cases. Clin Pharmacol Ther. 1973 May-Jun;14(3):380-5.

[2]. Chan KW, A comparative study of the use of choline theophyllinate and a sustained-release theophylline in adults with chronic asthma. Ann Acad Med Singapore. 1985 Jul;14(3):470-4.

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

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