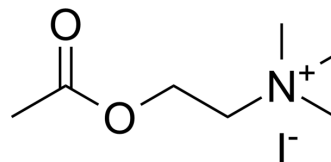


Acetylcholine iodide

Cat. No.:	HY-101086
CAS No.:	2260-50-6
Molecular Formula:	C ₇ H ₁₆ INO ₂
Molecular Weight:	273.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (366.15 mM; Need ultrasonic)
 H₂O : ≥ 100 mg/mL (366.15 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6615 mL	18.3076 mL	36.6153 mL
	5 mM	0.7323 mL	3.6615 mL	7.3231 mL
	10 mM	0.3662 mL	1.8308 mL	3.6615 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (9.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Acetylcholine iodide (ACh iodide) is a common neurotransmitter found in the central and peripheral nerve system^[1].

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

-
- J Hazard Mater. 2023 Dec 14, 133248.
 - Redox Biol. 2023 Dec 18;69:103004.
 - Mol Metab. 2023 Sep 26, 101811.
 - Front Cardiovasc Med. 2021 Jun 16;8:679240.
 - BMC Pulm Med. 2021 Jun 5;21(1):189.

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REFERENCES

[1]. MEITES J, et al. Induction and maintenance of mammary growth and lactation in rats with acetylcholine or epinephrine. Proc Soc Exp Biol Med. 1959 Apr;100(4):750-4.

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

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