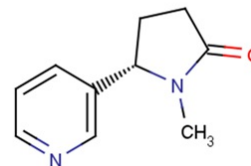


(-)-Cotinine

Chemical Properties

CAS No.:	486-56-6
Formula:	C10H12N2O
Molecular Weight:	176.22
Appearance:	Solid
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Cotinine is an alkaloid found in tobacco and is also the predominant metabolite of nicotine.
Targets(IC ₅₀)	Nicotinic Receptor: None
In vivo	Sulpiride induces a short-term decrease in 5-hydroxyindoles followed by a long-term increase in 5-hydroxyindoles[1].

Solubility Information

Solubility	DMSO: 65 mg/mL (368.86 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.675 mL	28.374 mL	56.747 mL
5 mM	1.135 mL	5.675 mL	11.349 mL
10 mM	0.567 mL	2.837 mL	5.675 mL
50 mM	0.113 mL	0.567 mL	1.135 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sánchez-Rodríguez JE, et al. Environ Res. 2015 Jan;136:227-33.

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