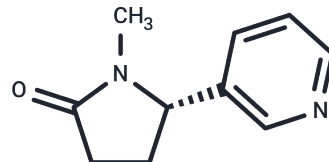


Cotinine

Chemical Properties

CAS No. : 486-56-6
Formula: C₁₀H₁₂N₂O
Molecular Weight: 176.22
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Cotinine (NIH-10498) is an alkaloid found in tobacco and is also the predominant metabolite of nicotine.
Targets(IC50)	Endogenous Metabolite,AChR
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),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6747 mL	28.3736 mL	56.7472 mL
5 mM	1.1349 mL	5.6747 mL	11.3494 mL
10 mM	0.5675 mL	2.8374 mL	5.6747 mL
50 mM	0.1135 mL	0.5675 mL	1.1349 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481