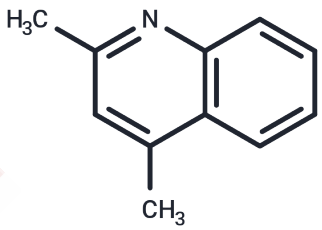
Data Sheet (Cat.No.TN9268)

TargetMol

2,4-Dimethylquinoline

Chemical Properties



CAS No. : 1198-37-4

Formula: C11H11N

Molecular Weight: 157.21

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	2,4-Dimethylquinoline is a potential CYP1A2 inhibitor identified through QSAR calculations, and it also exhibits weak inhibitory activity against CYP2A5, CYP2A6, and CYP2B6. It is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Cytochromes P450

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3609 mL	31.8046 mL	63.6092 mL
5 mM	1.2722 mL	6.3609 mL	12.7218 mL
10 mM	0.6361 mL	3.1805 mL	6.3609 mL
50 mM	0.1272 mL	0.6361 mL	1.2722 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nickel P, et al. Potentielle Malariamittel, 3. Mitt. 6-[(4-Diethylamino-1-methylbutyl)-aminomethyl]-5,8-dimethoxy-2,4-dimethylchinolin [Potential antimalarials. 3. (6-(4-diethylamino-1-methylbutyl)aminomethyl)-5,8-dimethoxy-2,4-dimethylquinoline]. Arch Pharm (Weinheim). 1981 Oct;314(10):846-9.

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