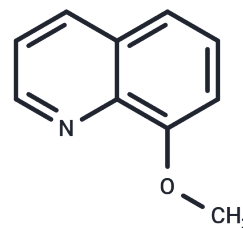


8-Methoxyquinoline

Chemical Properties

CAS No. :	938-33-0
Formula:	C ₁₀ H ₉ NO
Molecular Weight:	159.18
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	8-Methoxyquinoline has an antibacterial potential with $K_a = 10.2 \mu\text{M}$ against E. coli R and can be used in related research in the field of life sciences.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2822 mL	31.411 mL	62.822 mL
5 mM	1.2564 mL	6.2822 mL	12.5644 mL
10 mM	0.6282 mL	3.1411 mL	6.2822 mL
50 mM	0.1256 mL	0.6282 mL	1.2564 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

Csomos A, et al. A GFP Inspired 8-Methoxyquinoline-Derived Fluorescent Molecular Sensor for the Detection of Zn²⁺ by Two-Photon Microscopy. Chemistry. 2024 Jun 3;30(31):e202400009.

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