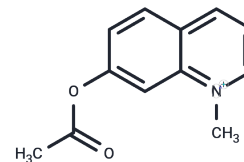


## 7-Acetoxy-1-methylquinolinium iodide

## Chemical Properties

CAS No. :	7270-83-9
Formula:	C <sub>12</sub> H <sub>12</sub> INO <sub>2</sub>
Molecular Weight:	329.13
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	7-Acetoxy-1-methylquinolinium iodide (AMQI) serves as a fluorogenic substrate for cholinesterase, with excitation (Ex) at 320 nm and emission (Em) at 410 nm. In a fluorometric flow system, the hydrolysis of AMQI is used to detect and identify inhibitors.
Targets(IC50)	Others,Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0383 mL	15.1916 mL	30.3831 mL
5 mM	0.6077 mL	3.0383 mL	6.0766 mL
10 mM	0.3038 mL	1.5192 mL	3.0383 mL
50 mM	0.0608 mL	0.3038 mL	0.6077 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

Ondrej Holas, et al. The progress in the cholinesterase quantification methods. Expert Opin Drug Discov. 2012 Dec; 7(12):1207-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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