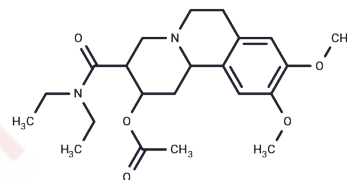


## Benzquinamide

## Chemical Properties

CAS No. :	63-12-7
Formula:	C <sub>22</sub> H <sub>32</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	404.5
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Benzquinamide (P2647), an antiemetic agent with anticancer activity, inhibits p-glycoprotein-mediated drug efflux and potentiates the cytotoxicity of anticancer drugs in multidrug-resistant cells. The $K_i$ values of Benzquinamide for $\alpha_2A$ , $\alpha_2B$ , and $\alpha_2C$ adrenergic receptor ( $\alpha_2$ -AR) were 1,365, 691, and 545 nM, respectively. 545 nM, respectively.
Targets(IC50)	Adrenergic Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4722 mL	12.3609 mL	24.7219 mL
5 mM	0.4944 mL	2.4722 mL	4.9444 mL
10 mM	0.2472 mL	1.2361 mL	2.4722 mL
50 mM	0.0494 mL	0.2472 mL	0.4944 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

Elisabet Gregori-Puigjané, et al. Identifying mechanism-of-action targets for drugs and probes. Proc Natl Acad Sci U S A. 2012 Jul 10; 109(28): 11178-11183.

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