

## Benzoquinamide hydrochloride

## Chemical Properties

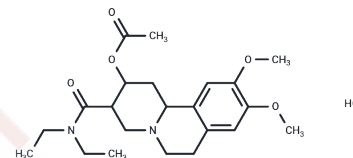
CAS No. : 113-69-9

Formula: C<sub>22</sub>H<sub>33</sub>ClN<sub>2</sub>O<sub>5</sub>

Molecular Weight: 440.96

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	Benzoquinamide hydrochloride (3-carbamoyl-N,N-diethyl-1,3,4,6,7,11b-hexahydro-9,11-dimethoxy-2H-benzo[a]quinolizin-2-yl acetate hydrochloride) is an antiemetic agent and increases intra-arterial pressure due to the increased peripheral vascular resistance.
Targets(IC50)	Others, Adrenergic Receptor
In vivo	Benzquinamide (0.5 to 5 mg/kg; i.v.) caused tachycardia, elevated blood norepinephrine levels, frequent ventricular arrhythmias, and brief hypotension. Ganglionic blockade by hexamethonium prior to administration of benzquinamide prevented the tachycardia and alterations in norepinephrine levels but prolonged the period of hypotension. In isolated mesenteric arterial preparations, benzquinamide interfered with the contractile force generated by potassium chloride, norepinephrine, and prostaglandin F <sub>2</sub> alpha[3].

## Solubility Information

Solubility	DMSO: 55 mg/mL (124.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.2678 mL	11.3389 mL	22.6778 mL
5 mM	0.4536 mL	2.2678 mL	4.5356 mL
10 mM	0.2268 mL	1.1339 mL	2.2678 mL
50 mM	0.0454 mL	0.2268 mL	0.4536 mL

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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

BURSTEIN CL. Benzquinamide:cardiovascular stimulant useful during general anesthesia. *Anesth Analg.* 1963 Jul-Aug;42:429-34.

Kingston RS, et al. Cardiovascular effects of benzquinamide in man. *Acta Anaesthesiol Scand.* 1975;19(3):187-92.

Smith DJ, et al. Cardiovascular effects of benzquinamide. *Anesth Analg.* 1979 May-Jun;58(3):189-94.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481