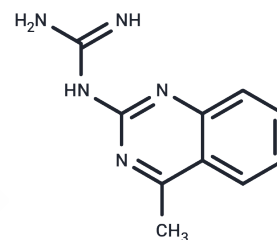


GMQ

Chemical Properties

CAS No. : 716-11-0
 Formula: C₁₀H₁₁N₅
 Molecular Weight: 201.23
 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	GMQ is an acid-sensitive ion channel modulator and a competitive GABAAR antagonist. It preferentially, efficiently, and competitively inhibits GABA _A receptors, including $\alpha 1\beta 2$, $\alpha 1\beta 2\gamma 2$, $\alpha 4\beta 2\gamma 2$, and $\alpha 5\beta 2\gamma 2$ subtypes. By inhibiting GABAergic neurotransmission, GMQ enhances neuronal excitability. Additionally, in the gastrointestinal system, GMQ exhibits antihistamine properties and can suppress gastric acid secretion.
Targets(IC50)	GABA Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9694 mL	24.8472 mL	49.6944 mL
5 mM	0.9939 mL	4.9694 mL	9.9389 mL
10 mM	0.4969 mL	2.4847 mL	4.9694 mL
50 mM	0.0994 mL	0.4969 mL	0.9939 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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