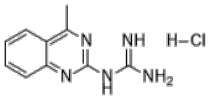
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Data Sheet

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Product Name	:	GMQ hydrochloride
Cat. No.	:	PC-28623
CAS No.	:	5361-15-9
Molecular Formula	:	$C_{10}H_{12}ClN_5$
Molecular Weight	:	237.69
Target	:	Sodium Channel
Solubility	:	10 mM in DMSO



Biological Activity

GMQ hydrochloride (2-guanidine-4-methylquinazoline hydrochloride) is a specific agonist for ASIC3 homomers, causes persistent ASIC3 channel activation at neutral pH, acilitates ASIC3 activation (EC50=67 μM) without affecting the ASIC1a, 1b and 2a channels.
GMQ activates sensory neurons and causes pain-related behaviors in an ASIC3-dependent manner.
GMQ acts on ASIC3 channels in a different way from protons.
GMQ causes pain-related behaviors via ASIC3 channels.

References

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Li WG, et al. Mol Pain. 2010 Dec 8;6:88.

Yu Y, et al. J Biol Chem. 2011 Jul 15;286(28):24996-5006.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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