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ZD 7288 - CAS 133059-99-1 - Calbiochem A potent blocker of hyperpolarization-activated cyclic nucleotide-gated channels (HCN channels) in heart and brain.

Art. ID SAF-5085100001

Unit ea

Description

A potent blocker of hyperpolarization-activated cyclic nucleotide-gated channels (HCN channels) in heart and brain tissue. Recently shown to also block Na(+) currents in DRG neurons and in HEK293 cells transfected with Na(v)1.4 plasmids. In voltage clamp experiments, it is shown to reduce Ih in a time- and concentration-dependent manner (IC50 = 2 mM). Suggested to behave as a lipophilic quaternary cation that can pass into the cell interior to block Ih channels in their closed state., A potent blocker of hyperpolarization-activated cyclic nucleotide-gated channels (HCN channels) in heart and brain tissue. Recently shown to also block Na(+) currents in DRG neurons and in HEK293 cells transfected with Na(v)1.4 plasmids. In voltage clamp experiments, it is shown to reduce Ih in a time- and concentration-dependent manner (IC50 = 2 mM). Suggested to behave as a lipophilic quaternary cation that can pass into the cell interior to block Ih channels in their closed state.Please note that the molecular weight for this compound is batch-specific due to variable water content.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	ZD 7288	[133059-99-1]				