Mequitazine is a potent, non-sedative and long-acting histamine H\textsubscript{1} antagonist. \textbf{In Vitro:} Mequitazine is a potent H\textsubscript{1}-receptor selective antihistaminic drug widely studied and used for allergic disorders such as hay fever and urticaria\textsuperscript{[1]}. Mequitazine demonstrates significant bactericidal effects against all the tested clinical isolates including \textit{Ps. aeruginosa}. Its effect against the Gram-positive isolates is more pronounced\textsuperscript{[2]}. \textbf{In Vivo:} Mequitazine and clemizole antagonize the effect of histamine in guinea-pig ileum competitively. Mequitazine at \textit{10}\textsuperscript{7} produces a parallel shift of the dose-response curve to acetylcholine in the rat duodenum. Mequitazine at highest concentration shows anticholinergic activity\textsuperscript{[3]}. Mequitazine inhibits contractile responses to KCl, phenylephrine (PE), 5-hydroxytryptamine (5-HT), and Ca\textsuperscript{2+} in rat aorta\textsuperscript{[4]}.

\textbf{References:}


\textbf{CAIndexNames:}

10H-Phenothiazine, 10-(1-azabicyclo[2.2.2]oct-3-ylmethyl)-

\textbf{SMILES:}

C12=CC=CC=C1N(C(N(C=C=C(N=CC=CC=CS2)))=C(C=CC=CS2))