

PRODUCT INFORMATION (PGE502-2)

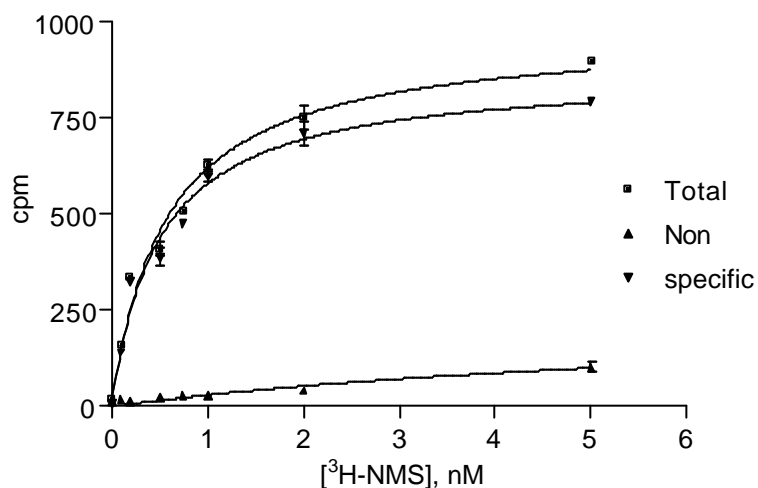


CHO Cell Line Expressing Human Muscarinic M₂ Receptor

Source DNA Human muscarinic M₂ receptor (X15264)

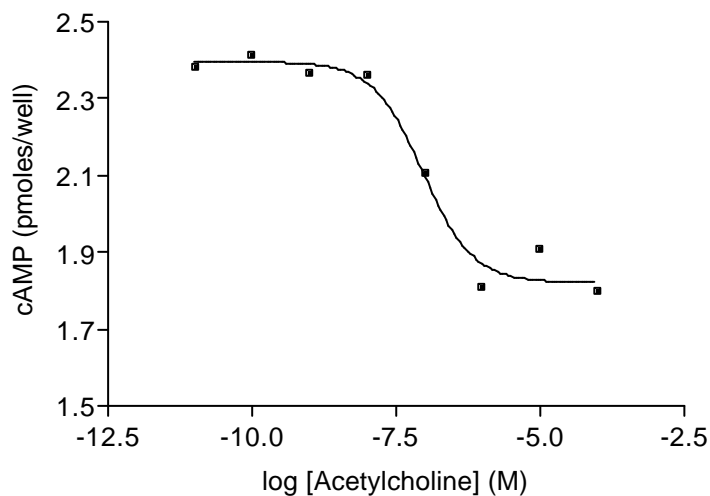
Host Cell Type DG44 (*dhfr*-/*dhfr*-)

Saturation Binding Assay



Ligand	[<i>N</i> -methyl- ³ H] Scopolamine methyl chloride
K _d	0.5 ± 0.061 nM
B _{max}	1.6 ± 0.062 pmol/mg protein

Functional Assay



Increasing concentrations of acetylcholine were shown to inhibit forskolin-stimulated cAMP formation in CHO cell line expressing rhM₂R. An EC₅₀ for acetylcholine was estimated to be 9.2x10⁻⁸ M.