

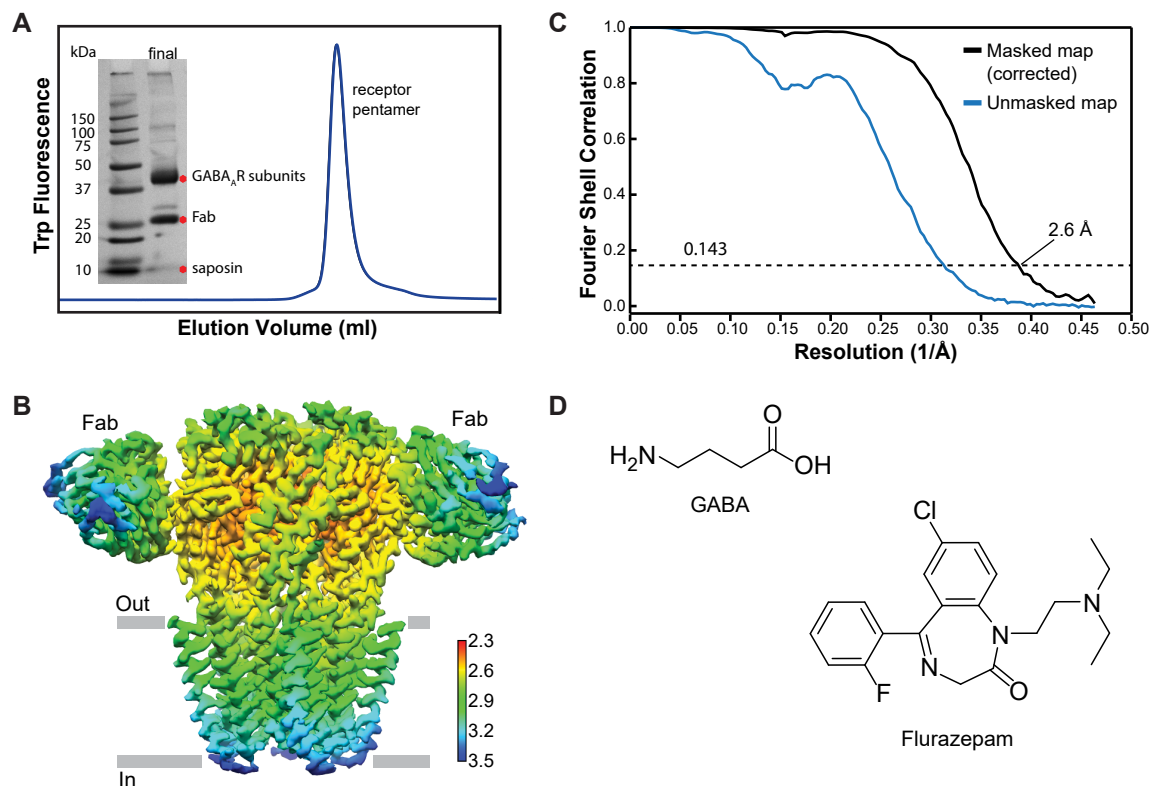


Fig. 1. Recently obtained high-resolution structure of $\alpha_1\beta_2\gamma_2$ GABA_A receptor in complex with GABA and its positive allosteric agonist PPTQ. A, Size exclusion chromatography trace and SDS-PAGE gel showing the protein after final purification. B, Local resolution map for Cryo-EM reconstruction. C, Fourier Shell Correlation plot showing final resolution of 2.6 Å. D, Ligands to be used for the proposed Chameleon experiment.

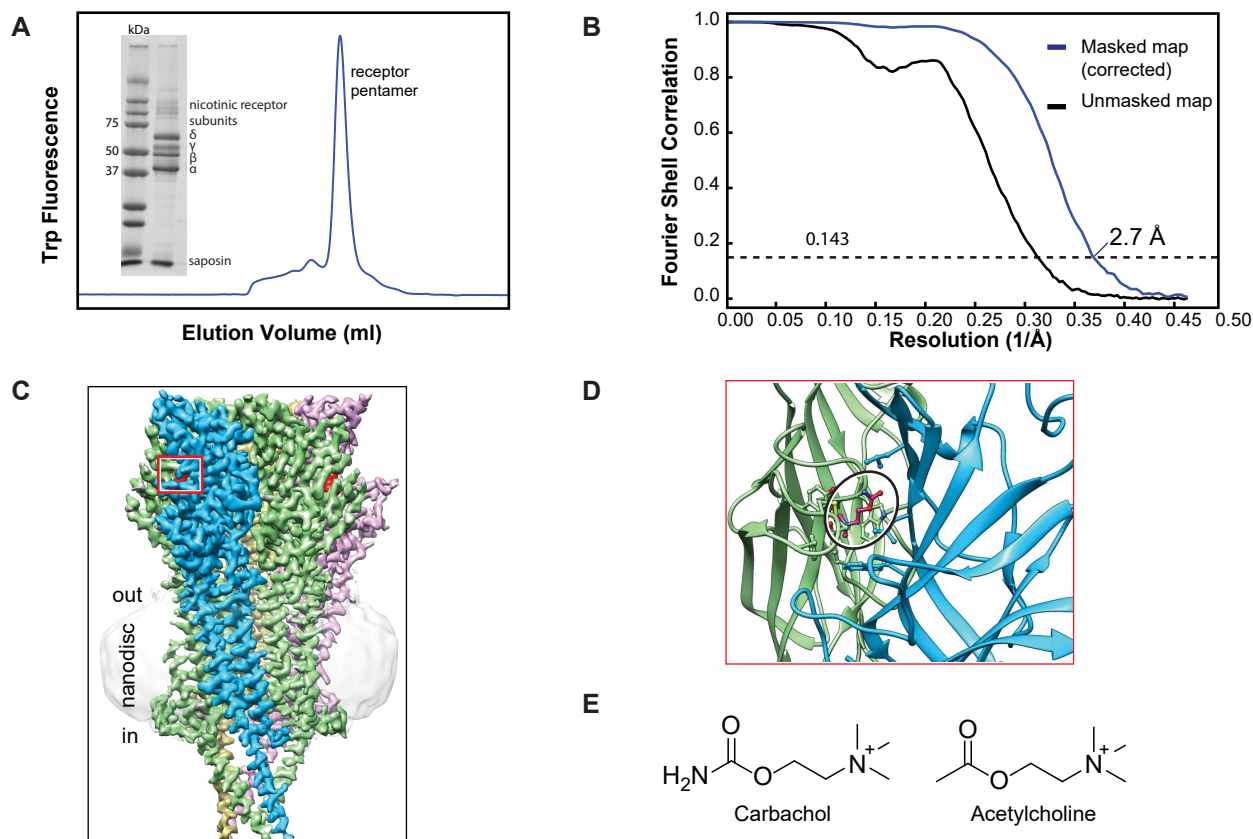


Fig. 2. Recently obtained high-resolution structure of Torpedo nicotinic receptor in complex with carbachol. A, Size exclusion chromatography trace and SDS-PAGE gel showing the protein after final purification. B, Fourier Shell Correlation plot showing final resolution of 2.7 Å. C, 3D Cryo-EM reconstruction highlighting the neurotransmitter binding pocket. D, A close up view of the neurotransmitter binding pocket with carbachol bound at α/γ interface. E, Ligand to be used for the proposed Chameleon experiment.