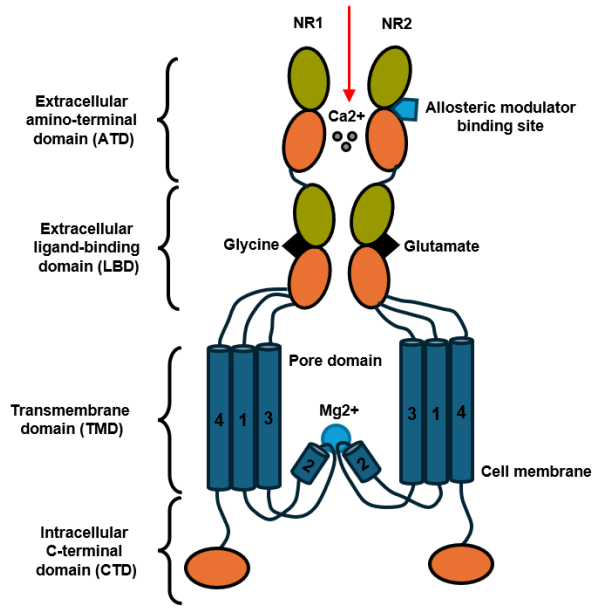

Figure 1 A schematic representation of an N-methyl-D-aspartate receptor-2B structure and its pharmacological regulation sites. An N-methyl-D-aspartate receptor-2B consists of four subunits with three transmembrane domains (M1, M3, and M4) and a pore (M2) that allows ion influx. The receptor is also characterised by an extracellular amino-terminal, an extracellular ligand-binding, four transmembrane, and an intracellular C-terminal domains. Ca^{2+}: Calcium ion; Mg^{2+}: Magnesium ion; ATD: Amino-terminal domain; LBD: Ligand-binding domain; TMD: Transmembrane domain; CTD: C-terminal domain. Adapted from Gallo *et al*[14]. Citation: Gallo S, Vitacolonna A, Crepaldi T. NMDA Receptor and Its Emerging Role in Cancer. *Int J Mol Sci* 2023; 24: 2540.