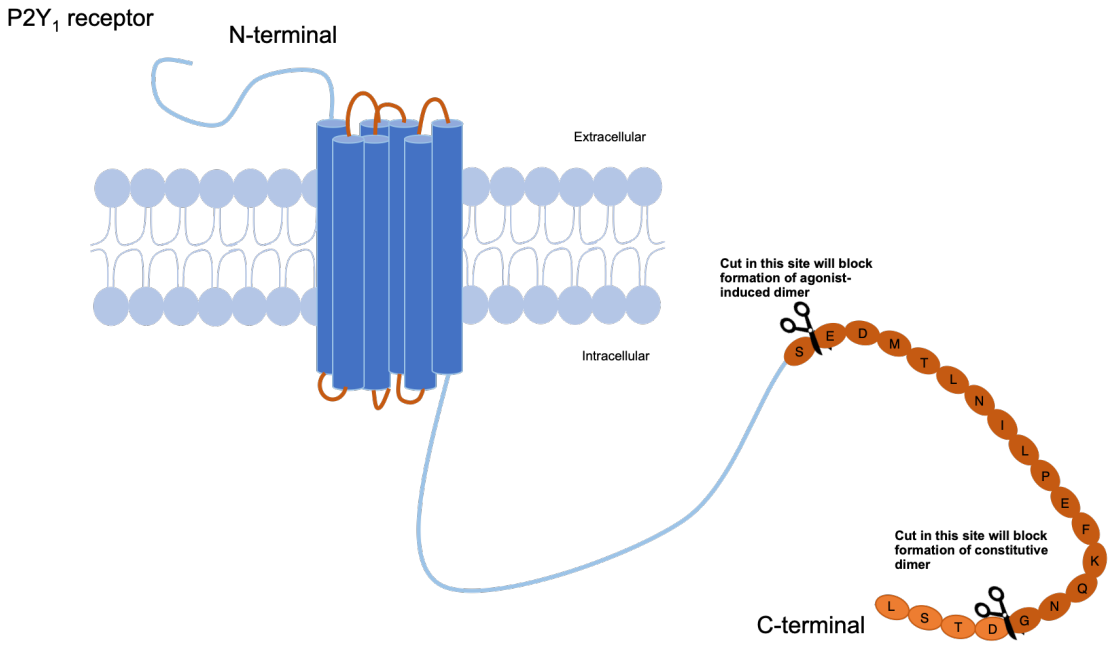

Figure 2. The Key Sequence in the Dimerization for $P2Y_1R$

Some $P2Y_1R$ can exists as a homodimer. In resting state, the last four amino acids (DTSL) are important for its constitutive dimerization in the C-terminal. Moreover, the major structure for agonist-induced $P2Y_1R$ dimerization is the last 19 amino acids (EDMTLNILPEFKQNG) in the C-terminal, which also can regulate receptor internalization.