Discovery of novel therapeutics against GPCRs, ion channels and transporters using the Salipro® technology

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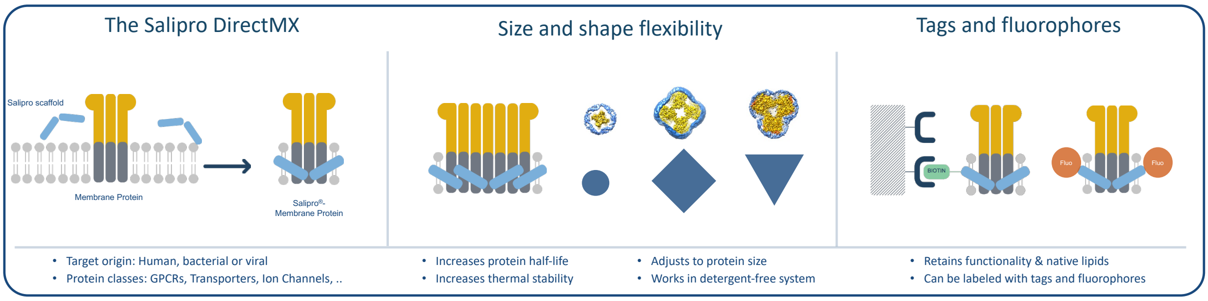
Membrane proteins are important drug targets yet are notoriously difficult to work with. Our proprietary approach, Salipro DirectMX, incorporates membrane proteins directly from cells into lipid Salipro® nanoparticles. Salipro DirectMX presents new opportunities for *de novo* development and characterization of biologics and small molecule drugs. We will present our latest developments and showcase how native GPCRs and ion channels can be reconstituted into Salipro nanoparticles, enabling the discovery of novel therapeutics.


The Salipro DirectMX
Size and shape flexibility
Tags and fluorophores
Salipro scaffold
Membrane Protein
Salipro®-
Membrane Protein
BIOTIN
Fluo
Fluo
• Target origin: Human, bacterial or viral
• Protein classes: GPCRs, Transporters, Ion Channels, ..
• Increases protein half-life
• Increases thermal stability
• Adjusts to protein size
• Works in detergent-free system
• Retains functionality & native lipids
• Can be labeled with tags and fluorophores