

# CXCR4-MOR Bivalent Ligand

**Catalogue number:** 154267

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Yan Zhang

**Institute:** Virginia Commonwealth University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** CXCR4-MOR Bivalent Ligand

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** A novel bivalent ligand that contains two distinct pharmacophores linked through a spacer, one of which will interact with the mu opioid receptor (MOR) and the other with CXCR4. Naltrexone and It1t were selected as the pharmacophores to generate the bivalent probe.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:**

## Related tools

**Related tools:**

## References

**References:** Bergstrom et al. 2016. Gastroenterology. 151(1):152-164.e11. PMID: 27059389. ; Defective Intestinal Mucin-Type O-Glycosylation Causes Spontaneous Colitis-Associated Cancer in Mice.

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