Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

# ML221

## Catalog No: tcsc0026651

### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg

**Size:** 100mg

### Specifications

**CAS No:**
877636-42-5

**Formula:**
$C_{17}H_{11}N_3O_6S$

**Pathway:**
Others

**Target:**
Others

**Purity / Grade:**
>98%

**Solubility:**
DMSO : ≥ 31 mg/mL (80.45 mM)

**Observed Molecular Weight:**
385.35

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## Product Description

ML221 is a potent **apelin (APJ)** functional antagonist, inhibiting apelin-13-mediated activation of APJ, with **$IC_{50}$**s of 0.70 μM in the cAMP assay, and 1.75 μM in the β-arrestin assay, and **$EC_{80}$** of 10 nM in both assays.

IC50 & Target: IC50: 1.75 μM (APJ, cell-based)[1]

***In Vitro:*** ML221 is a potent apelin/APJ functional antagonist, inhibiting apelin-13-mediated activation of APJ, with $IC_{50}$s of 0.70 μM in the cAMP assay, and 1.75 μM in the β-arrestin assay, and $EC_{80}$ of 10 nM in both assays. ML221 is >37-fold selective over the closely related angiotensin II type 1 (AT1) receptor ($IC_{50}$, >79 μM) in cells. ML221 displays limited cross reactivity against a range of GPCRs except the κ-opioid and benzodiazepinone receptors ([1].