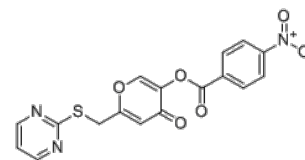


Product Name : ML221
Cat. No. : PC-63277
CAS No. : 877636-42-5
Molecular Formula : C₁₇H₁₁N₃O₆S
Molecular Weight : 385.35
Target : Apelin Receptor (APLNR)
Solubility : 10 mM in DMSO



Biological Activity

ML221 is a potent, selective, functional antagonist of **apelin receptor (APJ)** with IC₅₀ of 1.75 μ M in the β -arrestin assay, >37-fold selective over the closely related AT1 receptor.

ML221 inhibits apelin-13-mediated activation of APJ in cAMP assays with IC₅₀ of 0.7 μ M.

ML221 inhibits cholangiocarcinoma proliferation and angiogenesis, significantly decreases tumor growth in nu/nu mice.

References

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Sakamoto K, et al. *Eur J Pharmacol*. 2016 Nov 15;791:213-220.

Ishimaru Y, et al. *Sci Rep*. 2017 Nov 8;7(1):15062.

Hall C, et al. *Cancer Lett*. 2017 Feb 1;386:179-188.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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