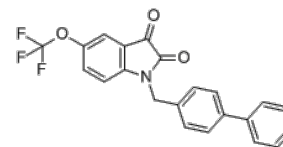


Product Name : VU 0365114
Cat. No. : PC-21369
CAS No. : 1208222-39-2
Molecular Formula : C₂₂H₁₄F₃NO₃
Molecular Weight : 397.35
Target : mAChR
Solubility : 10 mM in DMSO



Biological Activity

VU 0365114 is a selective type-5 muscarinic acetylcholine receptor (mAChR, M5) positive allosteric modulator (EC₅₀=2.7 μM) and tubulin inhibitor by destabilizing microtubules, shows no activity against M1, M2, M3 and M4 receptors. VU-0365114 exhibits a broad-spectrum in vitro anticancer activity, especially in colorectal cancer cells. VU-0365114 slows the in vivo colorectal tumor growth in tumor xenograft study in nude mice. VU 0365114 significantly increased electrically evoked DA release and the Oxo-M effect on DA release.

References

Vivien Zell , et al. J Pharmacol Exp Ther. 2023 Nov;387(2):226-234.
Hsieh YY, et al. Mol Oncol. 2023 Oct 16. doi: 10.1002/1878-0261.13536.

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

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