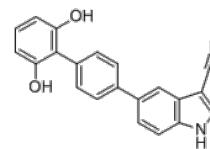


Product Name : Debio 0930
Cat. No. : PC-38548
CAS No. : 1179347-65-9
Molecular Formula : C₂₁H₁₄N₂O₂
Molecular Weight : 326.355
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

Debio 0930 (MY 63-78) is a specific and potent direct AMPK activator, allosterically activates AMPK activity in prostate cancer cells with EC₅₀ of 25 uM, without altering the energy levels.

MT 63-78 activates AMPK mainly by binding the β1 subunit in a cell-based context, LKB1 is not essential for MT 63-78-mediated activation of AMPK.

MT 63-78 inhibits PCa cell growth and soft agar colony formation, induces mitotic arrest and apoptosis.

MT 63-78 enhances the growth inhibitory effect of AR signaling inhibitors, inhibits tumor growth in xenograft models.

References

Giorgia Zadra, et al. EMBO Mol Med. 2014 Apr;6(4):519-38.

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

E-mail: tech@probechem.com