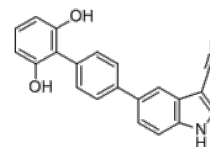


**Product Name** : Debio 0930  
**Cat. No.** : PC-38548  
**CAS No.** : 1179347-65-9  
**Molecular Formula** : C<sub>21</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 326.355  
**Target** : AMPK  
**Solubility** : 10 mM in DMSO



### Biological Activity

Debio 0930 (MY 63-78) is a specific and potent direct **AMPK** activator, allosterically activates AMPK activity in prostate cancer cells with EC<sub>50</sub> 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