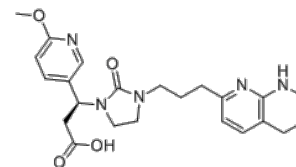


**Product Name** : MK-0429  
**Cat. No.** : PC-62001  
**CAS No.** : 227963-15-7  
**Molecular Formula** : C<sub>23</sub>H<sub>29</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 439.51  
**Target** : Integrin  
**Solubility** : 10 mM in DMSO



### Biological Activity

MK-0429 is a potent, selective, orally-active nonpeptide **αvβ3 integrin** inhibitor with IC<sub>50</sub> of 0.08 nM in SPAV3 assay.

MK-0429 displays approximately 100-fold selectivity for αvβ3 over αvβ5 (IC<sub>50</sub>=10 nM), and no significant activity for the fibrinogen receptor αIIbβ3 (IC<sub>50</sub>>30 uM).

MK-0429 shows activity in different animal models of bone turnover and has potentiation for the prevention and treatment of osteoporosis.

MK-0429 also reduces melanoma metastasis both in vitro and in vivo.

### References

Hutchinson JH, et al. *J Med Chem.* 2003 Oct 23;46(22):4790-8.

Pickarski M, et al. *Oncol Rep.* 2015 Jun;33(6):2737-45.

Zhou X, et al. *Pharmacol Res Perspect.* 2017 Oct;5(5).

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

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