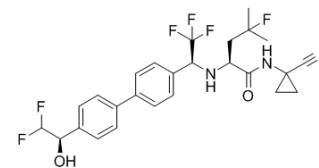


## MK-0674

Cat. No.:	HY-10290
CAS No.:	887781-62-6
Molecular Formula:	C <sub>26</sub> H <sub>27</sub> F <sub>6</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	527.5
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

Description	MK-0674 is a potent, orally bioavailable and selective <b>cathepsin K</b> inhibitor, with an IC <sub>50</sub> of 0.4 nM, shows 1156, 1465, 11857 and 243 fold selectivity over Cat B, Cat F, Cat L and Cat S <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.4 nM (Cathepsin K) <sup>[1]</sup>
In Vitro	MK-0674 (Compound 13) is potent in bone resorption in rabbit osteoclasts, with an IC <sub>50</sub> of 10 nM <sup>[1]</sup> .

### REFERENCES

[1]. Isabel E, et al. The discovery of MK-0674, an orally bioavailable cathepsin K inhibitor. *Bioorg Med Chem Lett*. 2010 Feb 1;20(3):887-92.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA