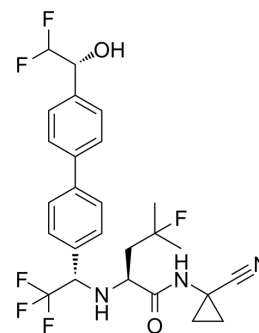


MK-0674

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



BIOLOGICAL ACTIVITY

Description	MK-0674 is a potent, orally bioavailable and selective cathepsin K inhibitor, with an IC ₅₀ of 0.4 nM, shows 1156, 1465, 11857 and 243 fold selectivity over Cat B, Cat F, Cat L and Cat S ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.4 nM (Cathepsin K) ^[1]
In Vitro	MK-0674 (Compound 13) is potent in bone resorption in rabbit osteoclasts, with an IC ₅₀ of 10 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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