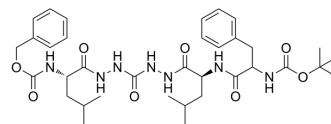


Cathepsin K inhibitor 4

Cat. No.:	HY-P10061
Molecular Formula:	C ₃₅ H ₅₁ N ₇ O ₈
Molecular Weight:	697.82
Sequence:	Boc-Phe-Leu-{NHNH-CO-NHNH}-Leu-{Z}
Sequence Shortening:	Boc-FL-{NHNH-CO-NHNH}-L-{Z}
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cathepsin K inhibitor 4 is a potent carbohydrazide Cathepsin K inhibitor with IC ₅₀ s of 13 nM, 269 nM, 296 nM for human, rat, mouse Cathepsin K, respectively ^[1] .
IC₅₀ & Target	IC ₅₀ : 13 nM (Cathepsin K), 38 nM (Cathepsin B), 8.9 nM (Cathepsin L), 792 nM (Cathepsin S) and 3.2 nM (Cathepsin F) ^[1]

REFERENCES

[1]. Sylvie Desmarais, et al. Pharmacological inhibitors to identify roles of cathepsin K in cell-based studies: a comparison of available tools. Biol Chem. 2009 Sep;390(9):941-8.

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