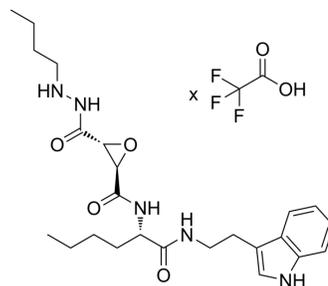


## Cathepsin C-IN-6

Cat. No.:	HY-155611
Molecular Formula:	C <sub>24</sub> H <sub>35</sub> N <sub>5</sub> O <sub>4</sub> ·xC <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Cathepsin C-IN-6 (compound 2) is a E-64c-hydrazide based inhibitor of cathepsin C with anti-inflammatory activity. Cathepsin C-IN-6 inhibits activation of neutrophil elastase and exhibits potential efficacy in inflammatory diseases with high neutrophil load (e.g. chronic obstructive pulmonary disease) <sup>[1]</sup> .
IC <sub>50</sub> & Target	Cathepsin C <sup>[1]</sup>

### REFERENCES

[1]. Tromsdorf N, et al. E-64c-hydrazide based cathepsin C inhibitors: Optimizing the interactions with the S1'-S2' area[J]. ChemMedChem, 2023: e202300218..

**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