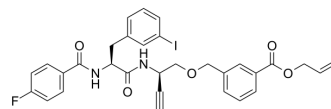


## Cathepsin Inhibitor 3

Cat. No.:	HY-149926
CAS No.:	3026372-49-3
Molecular Formula:	C <sub>31</sub> H <sub>28</sub> FIN <sub>2</sub> O <sub>5</sub>
Molecular Weight:	654.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Cathepsin Inhibitor 3 (Compound 53k) is a non-radioactive intermediate in compound [<sup>18</sup>F] 2k radioactive synthesis, which has selectivity for cathepsin S. Cathepsin Inhibitor 3 can undergo radioactive fluorination and can be used for fluorine-18 labeling research<sup>[1]</sup>. Cathepsin Inhibitor 3 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Behring L, et al. Dipeptide-Derived Alkynes as Potent and Selective Irreversible Inhibitors of Cysteine Cathepsins. *J Med Chem.* 2023 Mar 23;66(6):3818-3851.

**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