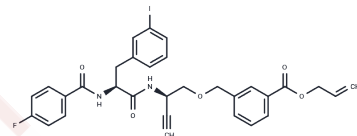


## Cathepsin Inhibitor 3

## Chemical Properties

CAS No. :	3026372-49-3
Formula:	C <sub>31</sub> H <sub>28</sub> FIN <sub>2</sub> O <sub>5</sub>
Molecular Weight:	654.47
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Cathepsin Inhibitor3 (Compound 53k) is a nonradioactive intermediate in the synthesis of [18F]2k, showing selectivity for cathepsin S. This compound is capable of undergoing radiolabeling with fluorine-18, making it useful for related studies. As a click chemistry reagent, Cathepsin Inhibitor3 contains an alkyne group, enabling it to participate in copper-catalyzed azide-alkyne cycloaddition (CuAAC) reactions with azide-containing molecules.
Targets(IC50)	Serine Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.528 mL	7.6398 mL	15.2795 mL
5 mM	0.3056 mL	1.528 mL	3.0559 mL
10 mM	0.1528 mL	0.764 mL	1.528 mL
50 mM	0.0306 mL	0.1528 mL	0.3056 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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