

Gü1303

## Chemical Properties

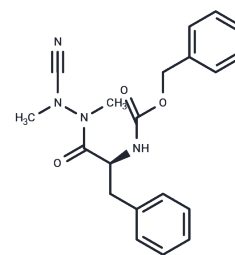
CAS No. : 1043922-53-7

Formula: C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 366.41

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	Gü1303 is a highly potent and reversible inhibitor of Cathepsin K (CatK), with a $K_i$ value of 0.91 nM for mature CatK (mCatK). This compound effectively suppresses the autocatalytic activation of the CatK zymogen [1].
Targets(IC50)	Others,Cysteine Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7292 mL	13.6459 mL	27.2918 mL
5 mM	0.5458 mL	2.7292 mL	5.4584 mL
10 mM	0.2729 mL	1.3646 mL	2.7292 mL
50 mM	0.0546 mL	0.2729 mL	0.5458 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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