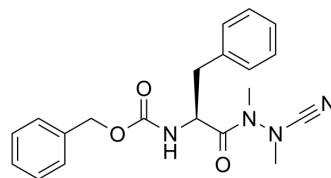


Gü1303

| | |
|--------------------|---|
| Cat. No.: | HY-144812 |
| CAS No.: | 1043922-53-7 |
| Molecular Formula: | C ₂₀ H ₂₂ N ₄ O ₃ |
| Molecular Weight: | 366.41 |
| Target: | Cathepsin |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | Gü1303 is a potent, reversible, slow-binding cathepsin K (CatK) inhibitor with a K _i of 0.91 nM for mature CatK (mCatK). Gü1303 suppresses the autocatalytic activation of the cathepsin K zymogen ^[1] . |
| IC ₅₀ & Target | K _i : 0.91 nM (mCatK) ^[1] |

REFERENCES

[1]. Benýšek J, et al. Highly potent inhibitors of cathepsin K with a differently positioned cyanohydrazone warhead: structural analysis of binding mode to mature and zymogen-like enzymes. *J Enzyme Inhib Med Chem.* 2022 Dec;37(1):515-526.

Caution: Product has not been fully validated for medical applications. For research use only.

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