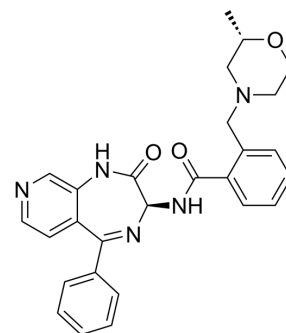


## Cbl-b-IN-15

Cat. No.:	HY-155477
Molecular Formula:	C <sub>27</sub> H <sub>27</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	469.53
Target:	E1/E2/E3 Enzyme
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Cbl-b-IN-15 (compound 25) is an inhibitor of the RING finger E3 ligase Cbl (IC <sub>50</sub> : 15 nM). Cbl-b refers to Casitas B-lineage lymphoma proto-oncogene-b, which inhibits T-cell, natural killer (NK) cell, and B-cell activation. Cbl-b-IN-15 activates T cell function with EC <sub>50</sub> =0.41 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 15 nM $\square$ Cbl-b $\square$ <sup>[1]</sup>

### REFERENCES

[1]. Boerth J A et al. Discovery of a Novel Benzodiazepine Series of Cbl-b Inhibitors for the Enhancement of Antitumor Immunity[J]. ACS Medicinal Chemistry Letters, 2023.

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

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