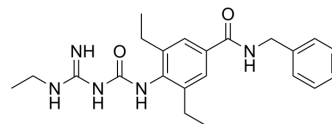


## PptT-IN-2

Cat. No.:	HY-115883
Molecular Formula:	C <sub>22</sub> H <sub>29</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	395.5
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

PptT-IN-2 (compound 5k) is a potent inhibitor of with phosphopantetheinyl phosphoryl transferase (PptT) an IC<sub>50</sub> of 2.5 μM. Phosphopantetheinyl transferase, an essential enzyme that plays a critical role in the biosynthesis of cellular lipids and virulence factors in Mycobacterium tuberculosis. PptT-IN-2 has the potential for the research of tuberculosis<sup>[1]</sup>.

### REFERENCES

[1]. Ottavi S, et al. In Vitro and In Vivo Inhibition of the Mycobacterium tuberculosis Phosphopantetheinyl Transferase PptT by Amidinoureas. J Med Chem. 2022 Feb 10;65(3):1996-2022.

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

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