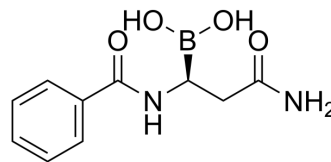


## MRV03-070

Cat. No.:	HY-151631
CAS No.:	2797066-29-4
Molecular Formula:	C <sub>10</sub> H <sub>13</sub> BN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	236.03
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	MRV03-070 is an inhibitor of colibactin-activating peptidase ClbP with an IC <sub>50</sub> value of 69 nM, acts like biosynthetic precursor precolibactin <sup>[1]</sup> .
In Vitro	MRV03-070 (compound 4) (0.01 nM-0.1 mM for 1 h) inhibits ClbP activity with IC <sub>50</sub> s of 69 nM and 27 nM, respectively, measured both in vitro and in <i>E. coli</i> BL21 overexpressing ClbP <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Volpe MR, et al. A small molecule inhibitor prevents gut bacterial genotoxin production. *Nat Chem Biol.* 2022 Oct 17.

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

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