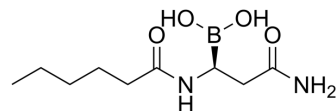


MRV03-037

Cat. No.:	HY-151626
CAS No.:	2797066-28-3
Molecular Formula:	C ₉ H ₁₉ BN ₂ O ₄
Molecular Weight:	230.07
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MRV03-037 is a selective colibactin-activated peptidase (ClbP) inhibitor that blocks the genotoxic effect of Colibactin (HY-145930) on eukaryotic cells. MRV03-037 prevents gut bacterial genotoxin production ^[1] .
In Vitro	MRV03-037 (compound 1; 0.01 nM-0.1 mM for 1 h) inhibits ClbP activity in E. coli BL21 overexpressing ClbP ^[1] . 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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