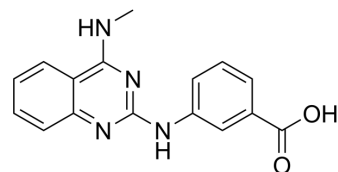


Covidcil-19

Cat. No.:	HY-W728005
CAS No.:	1225177-95-6
Molecular Formula:	C ₁₆ H ₁₄ N ₄ O ₂
Molecular Weight:	294.31
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Covidcil-19 (compound C5) avidly binds to the revised attenuator hairpin structure of the SARS-CoV-2 frameshifting element (FSE) with a K_d of 11 nM. Covidcil-19 stabilizes the hairpin's folded state and impairs frameshifting in cells. Covidcil-19 reduces frameshifting efficiency of the SARS-CoV-2 FSE and does not affect SARS-CoV-2 FSE RNA levels. Covidcil-19 inhibits a process essential for SARS-CoV-2 viral propagation^[1].

REFERENCES

[1]. Hafeez S Haniff, et al. Targeting the SARS-CoV-2 RNA Genome with Small Molecule Binders and Ribonuclease Targeting Chimera (RIBOTAC) Degraders. ACS Cent Sci. 2020 Oct 28;6(10):1713-1721.

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

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