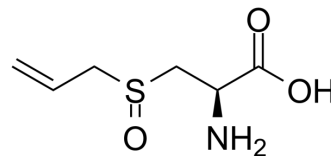


(±)-Alliin

Cat. No.:	HY-126085	
CAS No.:	17795-26-5	
Molecular Formula:	C ₆ H ₁₁ NO ₃ S	
Molecular Weight:	177.22	
Target:	SARS-CoV	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



BIOLOGICAL ACTIVITY

Description	(±)-Alliin is the main active component of garlic. (±)-Alliin is a putative inhibitor of the main protease of SARS-CoV-2 (M _{pro}) ^[1] .
In Vitro	Molecular docking is used to assess the binding stability of various drugs with SARS-CoV-2 main protease (M _{pro}). (±)-Alliin is found to interact with SARS-CoV M _{pro} at Leu-167, Met-49 and Glu-166 with three H-bonds; for SARS-CoV-2 M _{pro} , the observed docking sites of (±)-Alliin are Cys-145, Met-49 and Glu-166 with three H-bonds ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Nucleic Acids Res. 2021 Jan 8;49(D1):D1113-D1121.
- Sci Rep. 2022 Jul 16;12(1):12197.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Bijun Cheng, et al. Discovery of Alliin as a Putative Inhibitor of the Main Protease of SARS-CoV-2 by Molecular Docking. Biotechniques

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

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