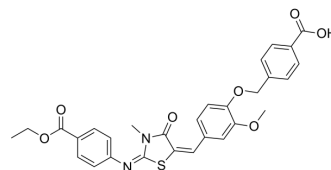


NC1

Cat. No.:	HY-156659
CAS No.:	445406-82-6
Molecular Formula:	C ₂₉ H ₂₆ N ₂ O ₇ S
Molecular Weight:	546.59
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

NC1 is a noncompetitive and allosteric lymphoid-specific tyrosine phosphatase (LYP) inhibitor, with a K_i value 4.3 μM. NC1 inhibits LYP by restricting the movement of the WPD-loop. NC1 inhibits LYP-mediated TCR signaling in T cells^[1].

REFERENCES

[1]. Kangshuai Li, et al. Identification and structure-function analyses of an allosteric inhibitor of the tyrosine phosphatase PTPN22. *J Biol Chem.* 2019 May 24;294(21):8653-8663.

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

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