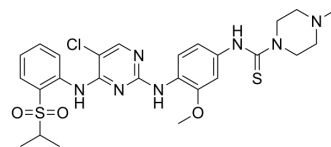


DCLK1-IN-5

Cat. No.:	HY-161471
CAS No.:	3028774-14-0
Molecular Formula:	C ₂₆ H ₃₂ ClN ₇ O ₃ S ₂
Molecular Weight:	590.16
Target:	Ser/Thr Protease
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DCLK1-IN-5 (Compound a24) is a DCLK1 inhibitor (IC₅₀: 179.7 nM). DCLK1-IN-5 inhibits lipopolysaccharide (HY-D1056)-induced inflammation via inhibiting DCLK1-mediated IKKβ phosphorylation. DCLK1-IN-5 protects mice against inflammation-induced lung injury and sepsis^[1].

REFERENCES

[1]. Cai B, et al. Discovery of a doublecortin-like kinase 1 inhibitor to prevent inflammatory responses in acute lung injury. *Bioorg Chem.* 2024 Apr;145:107215.

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

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