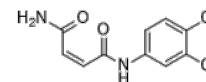


Product Name : TSLP inhibitor BP79
Cat. No. : PC-22534
CAS No. :
Molecular Formula : C₁₀H₈Cl₂N₂O₂
Molecular Weight : 259.09
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

TSLP inhibitor BP79 is a specific small molecule inhibitor of **thymic stromal lymphopoietin (TSLP)**, disrupts **TSLP-TSLP receptor** interaction and effectively abrogates TSLP-triggered cytokines at low micromolar concentrations.

BP79 effectively abrogates TSLP-triggered cytokines at low micromolar concentrations.

BP79 inhibits TSLP-induced IL-4/IL-13 expression in primary CD4 + T cells with inhibitory effects (≥80% inhibition) at 10 μM and 20 μM concentrations.

BP79 abolishes TSLPR complex formation without broad-spectrum kinase inhibitory effects.

BP79 efficiently penetrates human skin and inhibits TSLP-mediated inflammation in an atopic-like skin disease model.

BP79 exerts potent anti-inflammatory effects in an atopic diseases-organ chip.

References

Adhikary PP, et al. *EMBO Mol Med*. 2024 Jun 14. doi: 10.1038/s44321-024-00085-3.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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