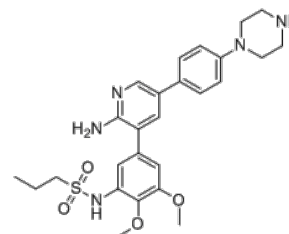


Product Name : CSLP43
Cat. No. : PC-35429
CAS No. : 2244988-80-3
Molecular Formula : C₂₆H₃₃N₅O₄S
Molecular Weight : 511.641
Target : RIP kinase
Solubility : 10 mM in DMSO



Biological Activity

CSLP43 (RIPK2 inhibitor CSLP43) is a novel potent, ATP pocket-binding **RIPK2** inhibitor with IC₅₀ of 19.9 nM in ADPGlo assay, demonstrates inhibition of both the RIPK2-XIAP interaction, and of cellular and in vivo NOD2 signaling.

CSLP43 exhibits inhibition of TNF release from RAW264.7 cells with EC₅₀ of 1.2 nM, inhibits NF-κB reporter activity with IC₅₀ of 1.34 nM.

CSLP43 antagonizes NOD2 signaling by interfering with the XIAP-RIPK2 interaction, selectively inhibits NOD responses in cells (HEKBlue NOD2 IC₅₀=1.3 nM) and displays potent activity in vivo, does not attenuates the TNF release following an unrelated pro-inflammatory stimulation mediated through TLR4 activation by LPS at 1 μM.

References

Hrdinka M, et al. *EMBO J.* 2018 Jul 19. pii: e99372.

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

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