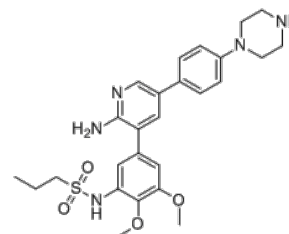


**Product Name** : CSLP43  
**Cat. No.** : PC-35429  
**CAS No.** : 2244988-80-3  
**Molecular Formula** : C<sub>26</sub>H<sub>33</sub>N<sub>5</sub>O<sub>4</sub>S  
**Molecular Weight** : 511.641  
**Target** : Receptor Interacting Protein Kinase (RIPK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CSLP43 (RIPK2 inhibitor CSLP43) is a novel potent, ATP pocket-binding **RIPK2** inhibitor with IC<sub>50</sub> 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 EC<sub>50</sub> of 1.2 nM, inhibits NF-κB reporter activity with IC<sub>50</sub> of 1.34 nM.

CSLP43 antagonizes NOD2 signaling by interfering with the XIAP-RIPK2 interaction, selectively inhibits NOD responses in cells (HEKBlue NOD2 IC<sub>50</sub>=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 uM.

## 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!**

E-mail: tech@probechem.com