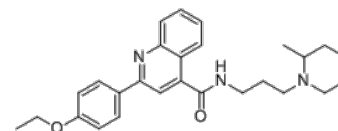


Product Name : Feeblin
Cat. No. : PC-21265
CAS No. : 689270-18-6
Molecular Formula : C₂₇H₃₃N₃O₂
Molecular Weight : 431.58
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 689270-18-6

Biological Activity

Feeblin (IRF5 inhibitor C5) is a small molecule inhibitor of the proinflammatory **TLR7/8/9-IRF5** pathway (IC₅₀=1.6 μM) by disrupting the SLC15A4-TASL adapter module, Feeblin is an **IRF5** pathway-specific inhibitor.

Feeblin (IRF5 inhibitor C5) displays specific inhibition of IRF5, shows no or little activity on STING, NOD1/2 or RIG-like helicase pathways.

Feeblin (IRF5 inhibitor C5) significantly reduces IRF5 nuclear translocation, without affecting the activation of NF-κB p65.

Feeblin (IRF5 inhibitor C5) locks SLC15A4 in a TASL binding-incompetent lysosomal outward-open conformation.

References

Andras Boeszoermenyi, et al. *Nat Commun.* 2023 Oct 20;14(1):6626.

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

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