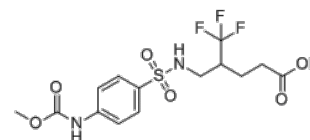


Product Name : DC-SX029
Cat. No. : PC-72765
CAS No. : 300713-88-6
Molecular Formula : C₁₄H₁₇F₃N₂O₆S
Molecular Weight : 398.353
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

DC-SX029 is a new small-molecule **sorting nexin 10 (SNX10)** inhibitor (KD=0.935 uM), blocks the SNX10-PIKfyve interaction, decreases TBK1/c-Rel signaling activation.

DC-SX029 reduced inflammatory response by inhibiting PIKfyve-mediated TBK1/c-Rel signal activation in BMDMs, inhibited mRNA levels of proinflammatory cytokines IL12/23 with IC₅₀ of 18.6 uM.

DC-SX029 alleviated DSS-induced mouse colitis, improved IL-10-deficient mouse colitis.

References

Weilian Bao, et al. *Pharmacol Res.* 2021 Jul;169:105679.

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

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