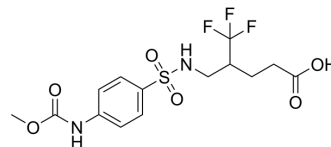


DC-SX029

Cat. No.:	HY-160477
CAS No.:	300713-88-6
Molecular Formula:	C ₁₄ H ₁₇ F ₃ N ₂ O ₆ S
Molecular Weight:	398.35
Target:	PIKfyve; NF-κB; IKK
Pathway:	PI3K/Akt/mTOR; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

DC-SX029 is a potent SNX10 protein-protein interaction (PPI) inhibitor with an estimated K_D constant of $\sim 0.935 \mu\text{M}$ by surface plasmon resonance (SPR). DC-SX029 blocks the SNX10-PIKfyve interaction, thereby decreased the TBK1/c-Rel signaling activation. DC-SX029 does not affect the protein level of SNX10. DC-SX029 has the potential for inflammatory bowel disease (IBD) research^[1].

REFERENCES

[1]. Weilian Bao, et al. Targeting sorting nexin 10 improves mouse colitis via inhibiting PIKfyve-mediated TBK1/c-Rel signaling activation. *Pharmacol Res.* 2021 Jul;169:105679.

Caution: Product has not been fully validated for medical applications. For research use only.

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