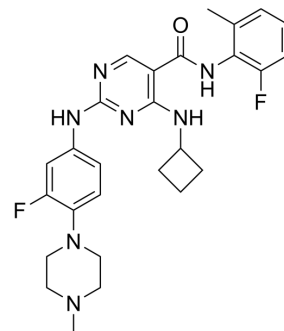


## SIKs-IN-1

Cat. No.:	HY-149365
CAS No.:	2927557-06-8
Molecular Formula:	C <sub>27</sub> H <sub>31</sub> F <sub>2</sub> N <sub>7</sub> O
Molecular Weight:	507.58
Target:	Salt-inducible Kinase (SIK)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

SIKs-IN-1 (compound 8h), a pyrimidine-5-carboxamide derivative, is a Salt-inducible kinases (SIKs) inhibitor. SIKs regulates the transformation of M1/M2 macrophages, involving in inflammation process. SIKs-IN-1 inhibits SIK activity, up-regulates anti-inflammatory cytokine IL-10, but down-regulates pro-inflammatory cytokine IL-12. SIKs-IN-1 shows excellent anti-inflammatory effects in a DSS-induced colitis model<sup>[1]</sup>.

## REFERENCES

[1]. Cai X, et al. Discovery of pyrimidine-5-carboxamide derivatives as novel salt-inducible kinases (SIKs) inhibitors for inflammatory bowel disease (IBD) treatment. Eur J Med Chem. 2023 Aug 5;256:115469.

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

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