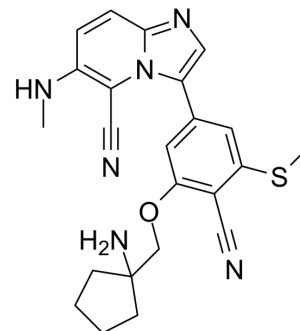


## SIK-IN-1

Cat. No.:	HY-161440
CAS No.:	3033846-29-3
Molecular Formula:	C <sub>23</sub> H <sub>24</sub> N <sub>6</sub> OS
Molecular Weight:	432.54
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

SIK-IN-1 (Compound 53) is an inhibitor for salt-inducible kinase (SIK), which inhibits SKI1, SIK2 and SIK3 with IC<sub>50</sub>s of 0.1, 0.4 and 1.5 nM, respectively. SIK-IN-1 inhibits the release of TNF $\alpha$  with IC<sub>50</sub> of 0.5 nM, stimulates the LPS (HY-D1056) -induced IL-10 release with EC<sub>50</sub> of 4 nM in human macrophages<sup>[1]</sup>.

## REFERENCES

[1]. Bootsma AN et al., Heterocyclic sik inhibitors. WO2024062360A1.

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

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