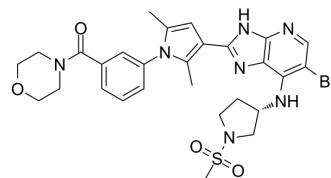


MLK-IN-2

Cat. No.:	HY-161271
CAS No.:	2614255-51-3
Molecular Formula:	C ₂₉ H ₃₄ BrN ₇ O ₄ S
Molecular Weight:	656.59
Target:	Mixed Lineage Kinase
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MLK-IN-2 (Compound 9a) is a Mixed Lineage Kinase 3 (MLK3) inhibitor containing 3H-imidazole [4,5-b] pyridine structure. IC ₅₀ value is 6 nM. MLK-IN-2 can be used to study cancer and neurodegenerative diseases ^[1] .
IC ₅₀ & Target	6 nM (MLK3) ^[1]

REFERENCES

[1]. Yoon HR, et al. Design, synthesis of new 3H-imidazo[4,5-b]pyridine derivatives and evaluation of their inhibitory properties as mixed lineage kinase 3 inhibitors. Bioorg Med Chem Lett. 2024 Feb 10;101:129652.

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

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