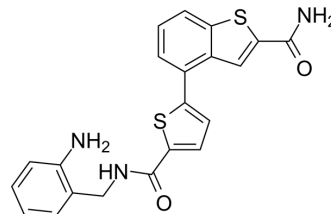


Dyrk1A/B-IN-1

Cat. No.:	HY-146337
CAS No.:	3032401-50-3
Molecular Formula:	C ₂₁ H ₁₇ N ₃ O ₂ S ₂
Molecular Weight:	407.51
Target:	DYRK
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dyrk1A/B-IN-1 (compound 3n) is a potent, selective and cell-permeable DYRK1A and DYRK1B inhibitor with K _i s of 67.8 nM and 237.9 nM, and IC ₅₀ s of 1.1 μM and 0.8 μM, respectively. Dyrk1A/B-IN-1 is not toxic to human cells. Dyrk1A/B-IN-1 can be used for researching DYRK1A and DYRK1B cellular functions and their role in pathologies ^[1] .	
IC₅₀ & Target	DYRK1A 67.8 nM (K _i)	DYRK1B 237.9 nM (K _i)

REFERENCES

[1]. Segretti ND, et al. Discovery of novel benzothienopyridine derivatives as potent and narrow spectrum inhibitors of DYRK1A and DYRK1B. *Bioorg Med Chem Lett.* 2022;68:128764.

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

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