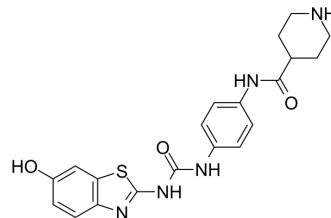


Dyrk1A/ α -synuclein-IN-1

Cat. No.:	HY-144695
CAS No.:	2789711-47-1
Molecular Formula:	C ₂₀ H ₂₁ N ₅ O ₃ S
Molecular Weight:	411.48
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/ α -synuclein-IN-1 (Compound b1) is a dual Dyrk1A and α -synuclein aggregation inhibitor with IC ₅₀ values of 177 nM and 10.5 μ M, respectively. Dyrk1A/ α -synuclein-IN-1 has high predictive CNS penetration and neuroprotective effect ^[1] .	
IC ₅₀ & Target	DYRK1A 177 nM (IC ₅₀)	α -synuclein aggregation 10.5 μ M (IC ₅₀)

REFERENCES

[1]. AlNajjar, et al. Discovery of novel 6-hydroxybenzothiazole urea derivatives as dual Dyrk1A/ α -synuclein aggregation inhibitors with neuroprotective effects. European journal of medicinal chemistry 227 (2022): 113911.

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

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