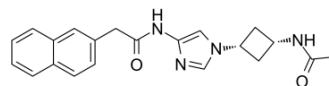


GSK-3/CDK5/CDK2-IN-1

Cat. No.:	HY-134622
CAS No.:	395074-72-3
Molecular Formula:	C ₂₁ H ₂₂ N ₄ O ₂
Molecular Weight:	362.42
Target:	CDK; GSK-3
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GSK-3/CDK5/CDK2-IN-1, an imidazole derivative, is an inhibitor of cdk5, cdk2, and GSK-3 extracted from patent WO2002010141A1, example 9a. GSK-3/CDK5/CDK2-IN-1 can be used for the research of cancer, and neurodegenerative diseases ^[1] .
IC ₅₀ & Target	cdk5 ^[1] cdk2 ^[1] GSK-3 ^[1]
In Vitro	GSK-3/CDK5/CDK2-IN-1 inhibits the phosphorylation of cdk5 peptide substrate phosphorylation, with an IC ₅₀ of less than about 50 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ahlijanian MK, et, al. Preparation of acylaminoimidazoles as inhibitors of cdk5, cdk2, and GSK-3. WO2002010141A1.

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

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