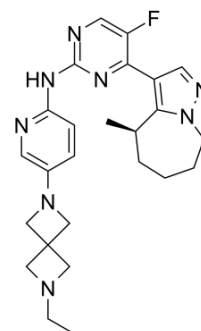


CDK4/6-IN-3

Cat. No.:	HY-126244
CAS No.:	2366237-37-6
Molecular Formula:	C ₂₅ H ₃₁ FN ₈
Molecular Weight:	462.57
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	CDK4/6-IN-3 is a brain-penetrant CDK4/CDK6 inhibitor with K _s of <0.3 nM and 2.2 nM, respectively. CDK4/6-IN-3 inhibits CDK1 with a K _i of 110 nM. CDK4/6-IN-3 can be used for the treatment of glioblastoma ^[1] .		
IC₅₀ & Target	CDK4 0.3 nM (Ki)	CDK6 2.2 nM (Ki)	CDK1 110 nM (Ki)
In Vitro	CDK4/6-IN-3 (Compound 24) inhibits MCF7 and BT549 cell lines proliferation with EC ₅₀ s of 30 nM and 2.1 μM, respectively ^[1] .		

REFERENCES

[1]. Bronner SM, et al. Design of a brain-penetrant CDK4/6 inhibitor for glioblastoma. *Bioorg Med Chem Lett*. 2019 Aug 15;29(16):2294-2301.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA