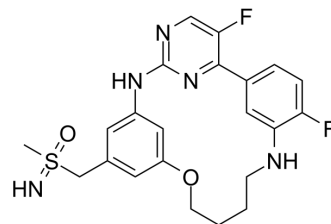


CDK9-IN-9

Cat. No.:	HY-130001
CAS No.:	2246956-84-1
Molecular Formula:	C ₂₂ H ₂₃ F ₂ N ₅ O ₂ S
Molecular Weight:	459.51
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CDK9-IN-9 (example 2) is a potent and selective CDK9 inhibitor with an IC ₅₀ of 1.8 nM. CDK9-IN-9 inhibits CDK2 with an IC ₅₀ of 155 nM. CDK9-IN-9 has anti-cancer activity ^[1] .	
IC₅₀ & Target	CDK9 1.8 nM (IC ₅₀)	CDK2 155 nM (IC ₅₀)
In Vitro	CDK9-IN-9 (example 2) inhibits the proliferation of HeLa, HeLa-MaTu-ADR, NCI-H460, DU145, Caco-2, B16F10, A2780 and MOLM-13 cells with IC ₅₀ s of 4.4 nM, 5.3 nM, 9.2 nM, 4.5 nM, 8.4 nM, 1.2 nM, 1.2 nM, 2.0 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Ulrich LÜCKING, et al. Novel ptefb inhibiting macrocyclic compounds. WO2018177889A1.

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

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