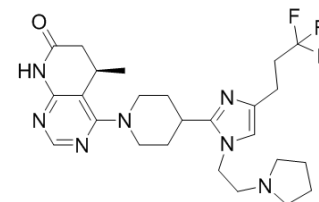


AKT-IN-2

Cat. No.:	HY-112148
CAS No.:	1295514-91-8
Molecular Formula:	C ₂₅ H ₃₄ F ₃ N ₇ O
Molecular Weight:	505.58
Target:	Akt
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	AKT-IN-2 is a potent, selective and orally bioavailable AKT inhibitor with an IC ₅₀ of 5 nM for AKT1 ^[1] .			
IC₅₀ & Target	Akt1 5 nM (IC ₅₀)	P70S6K 399 nM (IC ₅₀)	PKA 84 nM (IC ₅₀)	PKCβ2 3.98 μM (IC ₅₀)
	RSK1 568 nM (IC ₅₀)	pGSK3β 92 nM (IC ₅₀)		
In Vitro	AKT-IN-2 (Compound 8) also inhibits P70S6K, PKA, PKCβ2, RSK1, and pGSK3β with IC ₅₀ s of 0.399, 0.084, 3.98, 0.568, and 0.092 μM, respectively ^[1] .			

REFERENCES

[1]. Parthasarathy S, et al. Discovery of chiral dihydropyridopyrimidinones as potent, selective and orally bioavailable inhibitors of AKT. *Bioorg Med Chem Lett.* 2018 Jun 1;28(10):1887-1891.

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

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