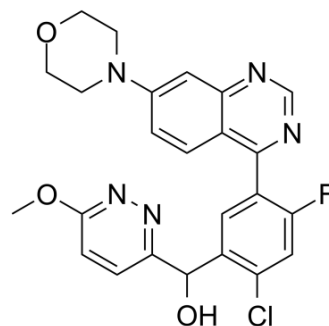


Rac-Nedisertib

Cat. No.:	HY-101570B		
CAS No.:	1637542-34-7		
Molecular Formula:	C ₂₄ H ₂₁ ClFN ₅ O ₃		
Molecular Weight:	481.91		
Target:	DNA-PK		
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Rac-Nedisertib (Rac-M3814) is a racemate of Nedisertib, a potent DNA-PK inhibitor, with an IC ₅₀ of <3 nM ^[1] .
IC₅₀ & Target	DNA-PK <3 nM (IC ₅₀)
In Vitro	Rac-Nedisertib (Compound 137) potently inhibits DNA-PK, with an IC ₅₀ of <3 nM for DNA-PK, 0.5-5 μM for cellular pDNA-PK and 15-25 μM for KV11.1 (hERG, human ether a-go-go related gene). ^[1] .

REFERENCES

[1]. Thomas Fuchss, et al. Arylchinazoline. WO2014183850A1.

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

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