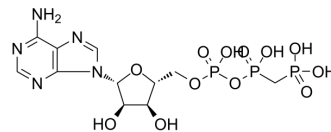


AMP-PCP

Cat. No.:	HY-106723
CAS No.:	3469-78-1
Molecular Formula:	C ₁₁ H ₁₈ N ₅ O ₁₂ P ₃
Molecular Weight:	505.21
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AMP-PCP is an ATP analogue and can bind to Hsp90 N-terminal domain with a K_D value of 3.8 μ M. AMP-PCP binding favors the formation of the active homodimer of Hsp90 ^[1] .
IC₅₀ & Target	HSP90 3.8 μ M (Kd)
In Vitro	AMP-PCP binding favors the formation of the active homodimer of Hsp90 by enhancing the slow-motion featured conformational exchanges of those residues (A117-A141) within the lid segment (A111-G135) and around region. In total, 170 non-proline residues are identified for the triple-labeled Hsp90 bound with AMP-PCP ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang H, et al. A dynamic view of ATP-coupled functioning cycle of Hsp90 N-terminal domain. Sci Rep. 2015 Apr 13;5:9542.

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

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