

Product Data Sheet

Product Name: AMP-PCP disodium

Cat. No.: GC39477

Chemical Properties

Cas. No. 7414-56-4

SMILES O[C@H]1[C@@H](O[C@H](COP(OP(CP(O)(O[Na])=O)(O[Na])=O)(O)=O)[C@H]1O)N2C3=C(C(N)=NC=N3)N=C2

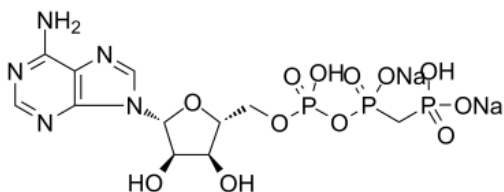
Formula $C_{11}H_{16}N_5Na_2O_{12}P_3$ M.Wt 549.17

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

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AMP-PCP disodium is an ATP analogue and can bind to Hsp90 N-terminal domain with a K_d value of 3.8 μM . AMP-PCP disodium binding favors the formation of the active homodimer of Hsp90[1].

[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.

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