
Product Data Sheet

Product Name: MethADP
Cat. No.: GC36587

Chemical Properties

Cas. No. 3768-14-7

SMILES O[C@@H]([C@H]([C@H](N1C=NC2=C(N=CN=C21)N)O3)O)[C@H]3COP(O)(CP(O)(O)=O)=O

Formula $C_{11}H_{17}N_5O_9P_2$ M.Wt 425.23

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

MethADP is a specific CD73 inhibitor. CD73[1].

MethADP (AMP-CP: 20 μM) causes a marked inhibition of adenosine formation (0.96±0.96 μM) compared to untreated controls (9.6±1.5 μM) in A498 and RT4 cells, and MethADP (100 μM) completely inhibits the adenosine formation[1].

[1]. Mohlin C, et al. Studies of the extracellular ATP-adenosine pathway in human urinary tract epithelial cells. Pharmacology. 2009;84(4):196-202.

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

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