

For Research Use Only

# 8-Chloroadenosine



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Catalog Number: CM12580

## 产品信息

**Catalog Number:**  
CM12580

**CAS号:**  
34408-14-5

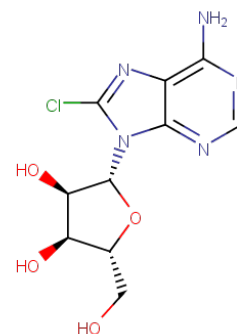
**分子式:**  
 $C_{10}H_{12}ClN_5O_4$

**主要靶点:**  
AMPK

**主要通路:**  
表观遗传|PI3K/Akt/mTOR信号通路

**分子量:**  
301.69

**溶解度:**  
DMSO:65 mg/ml (215.45 mM)



## 描述

8-Chloroadenosine is a 5' AMP-activated protein kinase agonist potentially for the treatment of chronic lymphocytic leukemia. 8-chloroadenosine activity is associated with inhibition of the mTOR pathway. 8-Chloroadenosine is a nucleoside analog; metabolized in vivo to 8-Chloro-ATP. Incorporates into RNA during transcription and inhibits RNA synthesis. Exhibits cytotoxicity in MM.1S, RPMI-8226, and U266 cancer cell lines; induces G2/M cell cycle arrest and mitotic catastrophe in A549 and H1299 cells. 8-Chloroadenosine has been shown to deplete ATP and inhibit tumor growth in hematological malignancies as well as in lung and breast cancer cell lines.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

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