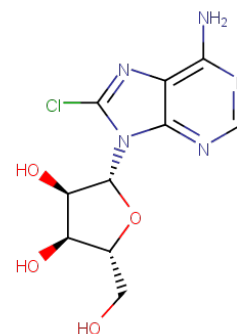


Catalog Number: CM12580

产品信息

Catalog Number:
CM12580CAS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 1 year