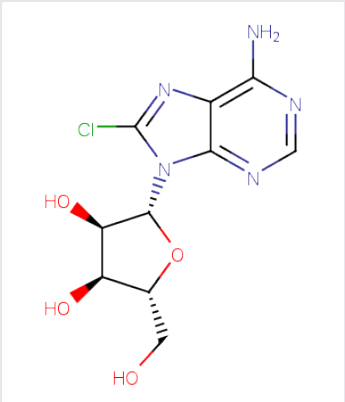
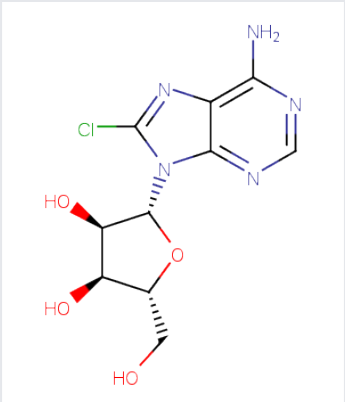
8-Chloroadenosine Inhibitor

PRODUCT OVERVIEW

Product Name	8-Chloroadenosine, Inhibitor
Full Product Name	8-Chloroadenosine
Product Synonym Names	8-Cl-Ado; NSC354258; NSC-354258; NSC 354258
Purity/Purification	98.75%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	301.69
SMILES	Nc1ncnc2n([C@@H]3O[C@H](CO)[C@@H](O)[C@H]3O)c(Cl)nc12
Formula	C10H12ClN5O4
CAS Number	34408-14-5
Target	AMPK
Solubility	DMSO: 65mg/mL (215.45 mM) (<1mg/mL refers to the product slightly soluble or insoluble)
Product Categories/Family for 8-Chloroadenosine, inhibitor	PI3K/Akt/mTOR signaling
Related Product Information for 8-Chloroadenosine, inhibitor	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.
Product References and Citations for 8-Chloroadenosine, inhibitor	1 Dicitor A Grass ES Caragli M Borgh MO Gaudenz G Hoflan LJ Persan L Vital G Th cAM analog hav poten anti-proliferativ effect o medullar thyroi cance cel lines Endocrine 201 Jan 1(1):101-12 doi 10.1007/s12020-015-0597-7 PubMe PMID 25863490. 2 Zhan e a (2004 Exposur o PUMA lun cance cell t 8-chloro-adenosin induce G2/ arres an mitoti catastrophe Neoplasi 80 PMID 1572080 href="javascript:void(0)javascript:void(0) rel="nofollow > 4 Ha YY Zho Z Ca JX Ji YQ L SY N JH A GS Zhan YX Ji HT E2F1-mediate DN damag i implicate i 8-Cl-adenosine-induce chromosom missegregatio an apoptosi i PUMA lun cance H129 cells Mo Cel Biochem 201 Dec 84(1-2):187-96 doi 10.1007/s11010-013-1797-1 PubMe PMID 24037421.
Other Notes	Small volumes of 8-Chloroadenosine, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for 8-Chloroadenosine purchase	MBS5772090 is an inhibitor targeting 8-Chloroadenosine.



Structure of 8-Chloroadenosine, inhibitor
8-Chloroadenosine, CAS 34408-14-5



Structure of 8-Chloroadenosine, inhibitor
8-Chloroadenosine, CAS 34408-14-5

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/8-chloroadenosine/5772090