

Adenosine deaminase

Chemical Properties

CAS No. : 9026-93-1

Formula:

Molecular Weight:

Adenosine deaminase

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Adenosine deaminase is an enzyme that catalyzes the irreversible deamination of 2'-deoxyadenosine and adenosine to 2'-deoxyinosine and inosine, respectively.
Targets(IC50)	Others,Adenosine Deaminase
In vitro	Adenosine deaminase catalyzes the irreversible deamination of adenosine and 2'-deoxyadenosine to inosine and 2'-deoxyinosine, respectively. Adenosine deaminase is implicated in purine metabolism and distributed in most mammalian tissues. Genetic Adenosine deaminase deficiency results in lymphopenia and severe combined immunodeficiency disease by decreasing the differentiation and maturation of lymphoid cells [1]. Adenosine deaminase is a signaling molecule related to the activation of T lymphocytes, making it a useful inflammation marker, especially for meningitis and tuberculous pleuritis [2].

Reference

Tian X, et al. Probing inhibition mechanisms of adenosine deaminase by using molecular dynamics simulations. PLoS One. 2018 Nov 16;13(11):e0207234.

Silva Dalsasso Joaquim L, et al. Analytical validation of an in-house method for adenosine deaminase determination. J Clin Lab Anal. 2018 Nov 29:e22823.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481