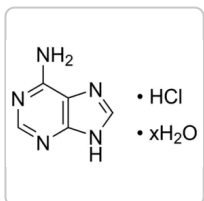


Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.



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A9795 ▶ **Sigma-Aldrich®**

Adenine hydrochloride hydrate

★★★★★ (0)

powder, BioReagent, suitable for cell culture

Synonym(s):

6-Aminopurine hydrochloride hydrate

Empirical Formula (Hill Notation):

C₅H₅N₅ · HCl · xH₂O

CAS Number: **2922-28-3**

Molecular Weight: 171.59 (anhydrous basis)

MDL number: **MFCD00150864**

PubChem Substance ID: **24891498**

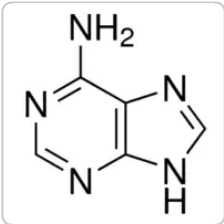
NACRES: NA.75

SKU	Pack Size	Availability	Price	Quantity		
A9795-1G	1 G	 Available to ship on October 10, 2022 Details...	€26.60	— +		
A9795-5G	5 G	 Only 3 left in stock (more on the way) Details...	€71.70	— +		
A9795-25G	25 G	 Only 2 left in stock (more on the way) Details...	€276.00	— +		

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RECOMMENDED PRODUCTS



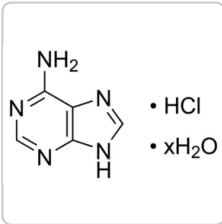
Sigma-Aldrich

A2786

Adenine

BioReagent, suitable for cell culture

[View Price and Availability](#)



Sigma-Aldrich

A8751

Adenine hydrochloride hydrate

≥99%

[View Price and Availability](#)

PROPERTIES

biological source

synthetic (organic)

Quality Level

200

product line

BioReagent

assay

≥99%

form

powder

technique(s)

cell culture | mammalian: suitable

solubilityH₂O: 50 mg/mL**SMILES string**O.Cl.Nc1ncnc2[nH]cnc12**InChI**

1S/C5H5N5.ClH.H2O/c6-4-3-5(9-1-7-3)10-2-8-4;;/h1-2H,(H3,6,7,8,9,10);1H;1H2

InChI key

MYRDTAUFFBYTHA-UHFFFAOYSA-N

Looking for similar products? Visit [Product Comparison Guide](#)

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DESCRIPTION

Application

Adenine hydrochloride hydrate has been used:

- As a component of FAD cell culture media
- In maintaining organotypic cultures for recreating stratified epithelium from primary cell cultures
- In limbal-corneal epithelial culturing and keratinocytes

Packaging

1, 5, 25 g in poly bottle

SAFETY INFORMATION

Storage Class Code

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Flash Point(C)

Not applicable

Personal Protective Equipment

dust mask type N95 (US),

[Eyeshields](#), [Gloves](#)

DOCUMENTATION

Certificate of Analysis

Enter Lot Number to search for Certificate of Analysis (COA).

Lot Number

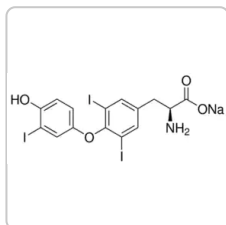
e.g. 023J5431

How to enter Lot Number (COA)**Search****Certificate of Origin**

Enter Lot Number to search for Certificate of Origin (COO).

Lot Number

e.g. 023J5431

How to enter Lot Number (COO)**Search****More Documents**[Spectra - ATR-IR](#)[Spectra for FT-IR Raman](#)[Structure Search](#)[SDS](#)**CUSTOMERS ALSO VIEWED****L0700000****Liothyronine sodium**

European Pharmacopoeia (EP) Reference Standard

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Sigma-Aldrich

T2252**apo-Transferrin human**

≥95% protein basis (biuret)

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PEER REVIEWED PAPERS

Vitronectin supports migratory responses of corneal epithelial cells to substrate bound IGF-I and HGF, and facilitates serum-free cultivation

Ainscough SL, et al.

Experimental Eye Research, 83(6), 1505-1514 (2006)

Three-dimensional organotypic culture of stratified epithelia

Rhim Andrew D and Rustgi Anil K

Cold Spring Harbor Protocols, 2015(4) (2015)

Functional investigations of keratinocyte stem cells and progenitors at a single-cell level using multiparallel clonal microcultures

Epidem. Inf., 83(6), 13-23 (2010)

Phenotype changes of oral epithelial stem cells after in vitro culture.

Felipe Perozzo Daltoe et al.

Brazilian oral research, 34, e033-e033 (2020-04-09)

The aim of our study was to isolate populations of keratinocyte stem cells based on the expression of cell surface markers and to investigate whether the culture could affect their phenotype. keratinocytes from human oral mucosa were sorted based on

Membranes Prepared from Recombinant RGD-Silk Fibroin as Substrates for Human Corneal Cells.

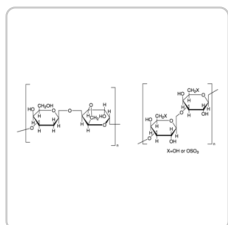
Elham Nili et al.

Molecules (Basel, Switzerland), 26(22) (2021-11-28)

A recombinant formulation of silk fibroin containing the arginine-glycine-aspartic acid (RGD) cell-binding motif (RGD-fibroin) offers potential advantages for the cultivation of corneal cells. Thus, we investigated the growth of corneal stromal cells and epithelial cells on surfaces created from RGD-fibroin

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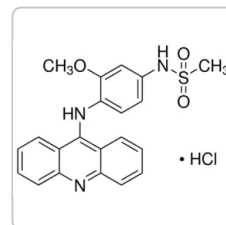
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Sigma-Aldrich

A9799**Agar**

High gel strength, suitable for plant cell culture

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Sigma-Aldrich

A9809**Amsacrine hydrochloride**

≥98% (TLC), powder

[View Price and Availability](#)

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