

Adenosine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Adenosine

Catalog No.: CFN98992

Cas No.: 58-61-7

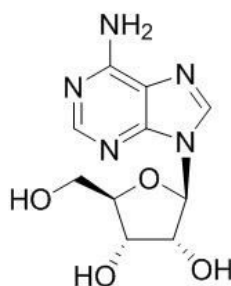
Purity: >=98%

M.F: C₁₀H₁₃N₅O₄

M.W: 267.24

Physical Description: Powder

Synonyms: 6-Amino-9-(beta-D-ribofuranosyl)9H-purine.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The rhizome of *Typhonium giganteum* Engl.

[Biological Activity or Inhibitors]

Adenosine is the preferred endogenous agonist at all these receptors(including members

of the Gfamily of G proteins and the A and Areceptors with Gproteins), but inosine can also activate the Areceptor.^[1]

Adenosine in the control of immune and inflammatory systems has generated excitement regarding the potential use of adenosine-receptor-based therapies in the treatment of infection, autoimmunity, ischaemia and degenerative diseases.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Phosphate buffer- Acetonitrile= 50:50;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 260 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Fredholm B B, Ijzerman A P, Jacobson K A, *et al. Pharmacol. Rev.*, 2001, 53(4):527-52.

[2] György Haskó, Joel Linden, Bruce Cronstein, *et al. Nat. Rev. Drug Discov.*, 2008, 7(9):759-70.

[3] Sottofattori E, Anzaldi M, Ottonello L. *J. Pharmaceut. Biomed. Anal.*, 2001, 24(5-6):1143-6.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Wuhan, Hubei 430056,
China

Web: www.chemfaces.com

Tech Support: service@chemfaces.com