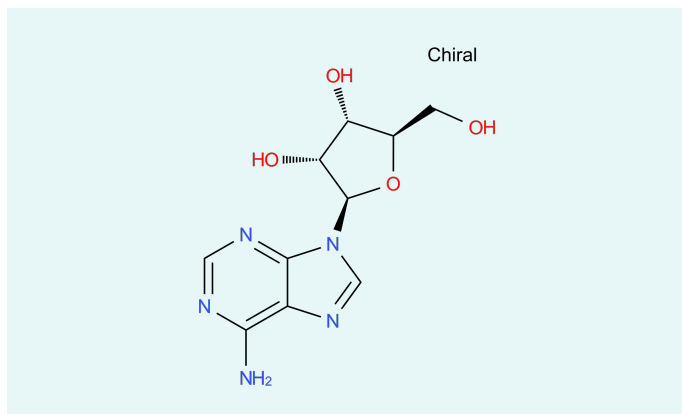


Adenosine



CAS

58-61-7

Status

Commercial

[Inquiry](#)

Adenosine is a nucleoside composed of Adenine and β-D Ribose (sugar). It is part of many important body-own substances (e.g. ATP, coenzyme A, NADH, RNA). Adenosine block the stimulating neurotransmitters (e.g. acetylcholine, dopamine, norepinephrine). This causes dilatation (widening of blood vessels), resulting in a lowering of blood pressure and a decrease in heart rate. It also acts on the A1 Adenosine receptors in the hypothalamus. This is where GABA (γ-Aminobutyric acid) is released, promoting sleep.

Description

Formula $C_{10}H_{13}N_5O_4$

Molecular weight 267.24 g/mol

Molecular size small

Controlled Substance no

Precursor no

Indications Cardiac therapy

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