

**Product Name** : Adenosine 5'-monophosphate monohydrate

**Synonyms** : 5'-AMP; 5'-Adenylic acid; A-5'-P

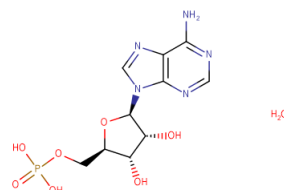
**Cat No.** : M12845

**CAS Number** : 18422-05-4

**Molecular Formula** : C<sub>10</sub>H<sub>14</sub>N<sub>5</sub>O<sub>7</sub>P·H<sub>2</sub>O

**Formula Weight** : 365.24

**Chemical Name** : —



**Description** : Adenosine monophosphate (AMP), also known as 5'-adenylic acid, is a nucleotide that is used as a monomer in RNA. It is an ester of phosphoric acid and the nucleoside adenosine. AMP consists of a phosphate group, the sugar ribose, and the nucleobase adenine.

**Pathway** : Endocrinology/Hormones

**Target** : AChR

**Receptor** : Adenosine A1receptor

**Solubility** : DMSO: 10 mM

**SMILES** : C1=NC2=C(C(=N1)N)N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)COP(=O)(O)O)O)O.O

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1.Miao Z, et al. Rheumatol Int. 2013 Aug; 33(8):2085-92.