

## Product Datasheet

### Adenosine triphosphate (orb1217873)

|                          |                                                                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb1217873                                                                                                                                                                                                     |
| <b>Category</b>          | Small Molecules                                                                                                                                                                                                |
| <b>Description</b>       | Adenosine triphosphate is an adenine nucleotide containing three phosphate groups esterified to the sugar moiety. In addition to its crucial roles in metabolism adenosine triphosphate is a neurotransmitter. |
| <b>Target</b>            | Endogenous Metabolite                                                                                                                                                                                          |
| <b>Purity</b>            | >98% (HPLC)                                                                                                                                                                                                    |
| <b>MW</b>                | 507.18                                                                                                                                                                                                         |
| <b>Target Areas</b>      | Endogenous Metabolite                                                                                                                                                                                          |
| <b>Solubility (25°C)</b> | DMSO:Soluble                                                                                                                                                                                                   |
| <b>CAS Number</b>        | 56-65-5                                                                                                                                                                                                        |
| <b>Formula</b>           | C <sub>10</sub> H <sub>16</sub> N <sub>5</sub> O <sub>13</sub> P <sub>3</sub>                                                                                                                                  |
| <b>SMILES</b>            | <chem>C1=NC(=C2C(=N1)N(C=N2)[C@H]3[C@@H]([C@@H]([C@H](O3)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)O)O)O)N</chem>                                                                                                          |
| <b>Storage</b>           | Storage temperature: -20°C. Stability: ≥ 2 years                                                                                                                                                               |
| <b>Note</b>              | For research use only                                                                                                                                                                                          |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                |

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