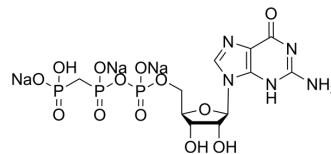


## 5'-Guanylyl methylenediphosphonate sodium

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-155600   |
| CAS No.:           | 10470-57-2  |
| Molecular Formula: | C <sub>11</sub> H <sub>15</sub> N <sub>5</sub> Na <sub>3</sub> O <sub>13</sub> P <sub>3</sub> |
| Molecular Weight:  | 587.15  |
| Target:            | Others  |
| Pathway:           | Others  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis.     |



### BIOLOGICAL ACTIVITY

#### Description

5'-Guanylyl methylenediphosphonate (sodium) is a GTP analogue and a specific, competitive inhibitor of the GTP reaction in protein synthesis<sup>[1]</sup>.

### REFERENCES

[1]. Hershey JW, et.al. A competitive inhibitor of the GTP reaction in protein synthesis. J Mol Biol. 1966 Jun;18(1):68-76.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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