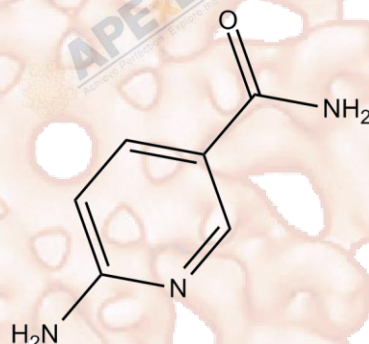


Product Data Sheet

6-Aminonicotinamide

| | |
|------------------|--|
| Cat. No.: | C4497 |
| CAS No.: | 329-89-5 |
| Formula: | C ₆ H ₇ N ₃ O |
| M.Wt: | 137.1 |
| Synonyms: | 6-AN, NSC 21206, SR 4388 |
| Target: | Metabolism |
| Pathway: | Dehydrogenase |
| Storage: | Store at -20°C |



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; ≥13.7 mg/mL in DMSO

In Vitro

| | Solvent | Mass Concentration | Mass | | |
|------------------------------|---------|-----------------------|-----------|------------|------------|
| | | | 1mg | 5mg | 10mg |
| Preparing Stock Solutions | | 1 mM | 7.2939 mL | 36.4697 mL | 72.9395 mL |
| | | 5 mM | 1.4588 mL | 7.2939 mL | 14.5879 mL |
| | | 10 mM | 0.7294 mL | 3.6470 mL | 7.2939 mL |

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

6-phosphogluconate dehydrogenase inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Wei Chen, Zhaoran Zhang, et al. "A bioenergetic shift is required for spermatogonial differentiation." Cell Discov 2020 Aug 18;6:56. PMID:32864161

See more customer validations on www.apexbt.com.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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