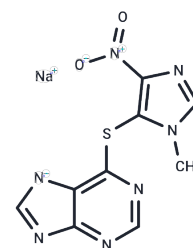


Azathioprine Sodium

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 55774-33-9 |
| Formula: | C ₉ H ₆ N ₇ NaO ₂ S |
| Molecular Weight: | 299.24 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Azathioprine Sodium is the sodium salt form of azathioprine, a pro-drug of purine analogue with immunosuppressive activity. Azathioprine is converted in vivo to its active metabolite 6-mercaptopurine (6-MP), which substitutes for the normal nucleoside and mistakenly gets incorporated into DNA sequences. This leads to inhibition of DNA, RNA, and protein synthesis. As a result, cell proliferation may be inhibited, particularly in lymphocytes and leukocytes. |
| Targets(IC50) | Apoptosis,Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 3.3418 mL | 16.709 mL | 33.418 mL |
| 5 mM | 0.6684 mL | 3.3418 mL | 6.6836 mL |
| 10 mM | 0.3342 mL | 1.6709 mL | 3.3418 mL |
| 50 mM | 0.0668 mL | 0.3342 mL | 0.6684 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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