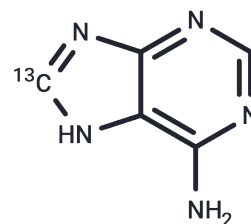


## Adenine-13C

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 86967-48-8  |
| Formula:          | C <sub>5</sub> H <sub>5</sub> N <sub>5</sub>  |
| Molecular Weight: | 136.12  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Adenine-13C is the 13C-labeled form of adenine. Adenine (T0064) (6-Aminopurine) is a purine that constitutes one of the four nucleobases in DNA. It is a chemical component of both DNA and RNA. Adenine (T0064) plays a crucial role in cellular respiration, the formation of ATP, coenzymes NAD and FAD, and protein synthesis. |
| Targets(IC50) | Endogenous Metabolite,DNA/RNA Synthesis  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 7.3465 mL | 36.7323 mL | 73.4646 mL |
| 5 mM  | 1.4693 mL | 7.3465 mL  | 14.6929 mL |
| 10 mM | 0.7346 mL | 3.6732 mL  | 7.3465 mL  |
| 50 mM | 0.1469 mL | 0.7346 mL  | 1.4693 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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