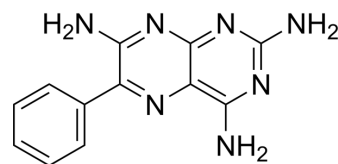


## Triamterene (Standard)

|                           |   |
|---------------------------|---|
| <b>Cat. No.:</b>          | HY-B0575R   |
| <b>CAS No.:</b>           | 396-01-0  |
| <b>Molecular Formula:</b> | C <sub>12</sub> H <sub>11</sub> N <sub>7</sub>  |
| <b>Molecular Weight:</b>  | 253.26  |
| <b>Target:</b>            | Sodium Channel; G protein-coupled Bile Acid Receptor 1                                    |
| <b>Pathway:</b>           | Membrane Transporter/Ion Channel; GPCR/G Protein  |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 16.67 mg/mL (65.82 mM); ultrasonic and adjust pH to 5 with HCl)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 3.9485 mL | 19.7426 mL | 39.4851 mL |
|                           | 5 mM    | 0.7897 mL | 3.9485 mL  | 7.8970 mL  |
|                           | 10 mM   | 0.3949 mL | 1.9743 mL  | 3.9485 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Triamterene (Standard) is the analytical standard of Triamterene. This product is intended for research and analytical applications. Triamterene blocks epithelial Na<sup>+</sup> channel (ENaC) in a voltage-dependent manner, which used as a mild diuretic. Triamterene as an inhibitor of the TGR5 receptor.

### CUSTOMER VALIDATION

- Cell Biosci. 2023 Oct 3;13(1):186.
- PLoS Pathog. 2022 Jun 13;18(6):e1010620.
- Immunobiology. 2023 May,152388.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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