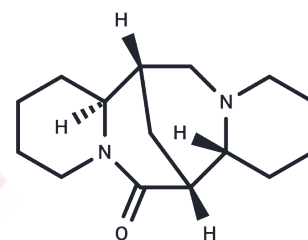


## 17-Oxosparteine

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 489-72-5  |
| Formula:          | C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O  |
| Molecular Weight: | 248.36  |
| 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   | 17-Oxosparteine is a minor urinary metabolite of sparteine in man. |
| Targets(IC50) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.0264 mL | 20.1321 mL | 40.2641 mL |
| 5 mM  | 0.8053 mL | 4.0264 mL  | 8.0528 mL  |
| 10 mM | 0.4026 mL | 2.0132 mL  | 4.0264 mL  |
| 50 mM | 0.0805 mL | 0.4026 mL  | 0.8053 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.

## Reference

Ritchie JC, Mitchell SC, Smith RL, Zhang AQ. Use of site-specified tritium labelling to confirm the formation of 17-oxosparteine as a minor urinary metabolite of sparteine in man. *Xenobiotica*. 1996 Sep;26(9):977-82. PubMed PMID: 8893044.

Ebner T, Meese CO, Eichelbaum M. Mechanism of cytochrome P450 2D6-catalyzed sparteine metabolism in humans. *Mol Pharmacol*. 1995 Dec;48(6):1078-86. PubMed PMID: 8848008.

Kim IC, Balandrin MF, Kinghorn AD. Reinvestigation of the alkaloids of *Lupinus sericeus* Pursh. Identification of a new natural product, 10,17-dioxo-beta-isosparteine. *J Agric Food Chem*. 1982 Jul-Aug;30(4):796-8. PubMed PMID: 7119288.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481