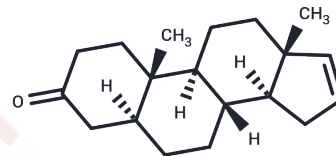


5 α -Androst-16-en-3-one

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 18339-16-7 |
| Formula: | C ₁₉ H ₂₈ O |
| Molecular Weight: | 272.432 |
| 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 | 5 α -Androst-16-en-3-one, a mammalian pheromone present in boar saliva, plays a crucial role in facilitating social and sexual interactions by acting as a volatile chemical cue. It is utilized to prime sows in estrus for mating or artificial insemination, underscoring its significance in reproductive behavior. Additionally, this compound is detected in human sweat and urine, where it is involved in studies concerning receptor-mediated odorant detection and the genetic foundations of anosmias, thereby broadening its scope of relevance beyond the animal kingdom. |
| Targets(IC50) | Others,Endogenous Metabolite |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.6707 mL | 18.3533 mL | 36.7067 mL |
| 5 mM | 0.7341 mL | 3.6707 mL | 7.3413 mL |
| 10 mM | 0.3671 mL | 1.8353 mL | 3.6707 mL |
| 50 mM | 0.0734 mL | 0.3671 mL | 0.7341 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

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