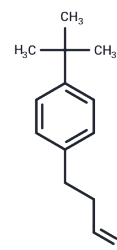


## Bourgeonal

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 18127-01-0                                               |
| Formula:          | C <sub>13</sub> H <sub>18</sub> O                        |
| Molecular Weight: | 190.28                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|             |                                                                                                                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Bourgeonal is an agonist of human testicular olfactory receptor hOR17-4. It increases cytosolic calcium levels in human spermatozoa, acts as a chemoattractant, and increases swimming speed in sperm chemotaxis assays in a concentration-dependent manner. |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.2554 mL | 26.2771 mL | 52.5541 mL |
| 5 mM  | 1.0511 mL | 5.2554 mL  | 10.5108 mL |
| 10 mM | 0.5255 mL | 2.6277 mL  | 5.2554 mL  |
| 50 mM | 0.1051 mL | 0.5255 mL  | 1.0511 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.

**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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