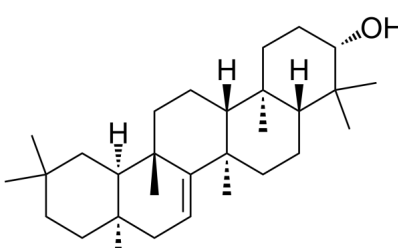


## Certificate of Analysis

|                |           |
|----------------|-----------|
| Catalog Number | BP10332   |
| Product Name   | Taraxerol |

## Physical and Chemical Properties

|  |  |
|--|--|
| CAS No.                                  | 127-22-0   |
| Chemical Formula                         | C <sub>30</sub> H <sub>50</sub> O  |
| Molecular Weight                         | 426.729  |
| Solubility                               | THF: 10 mg/mL (23.43 mM), Need ultrasonic<br>H <sub>2</sub> O: < 0.1 mg/mL (ultrasonic warming, heat to 80°C)<br>(insolubL; E); DMSO: < 1 mg/mL (ultrasonic warming heat<br>to 80°C) (insolubL; E or slightly solubL; E) |
| Storage                                  | Powder: -20°C for 2 years<br>In solvent: -80°C for 1 year  |
| Chemical Structure<br>OR<br>Tested Image |    |

## Product Information

|             |  |
|-------------|--|
| Description | Taraxerol is isolated from Taraxacum mongolicum, and has anti-inflammatory and anti-cancer effects. Taraxerol attenuates acute inflammation through inhibition of NF-κB signaling pathway. Taraxerol induces cell apoptosis. |
|-------------|--|

## Analytical Data

|                                 |  |
|---------------------------------|--|
| HPLC                            | Shows Min >99% purity  |
| H-NMR                           | Consistent with structure  |
| Stability and Solubility Advice | Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details. |

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