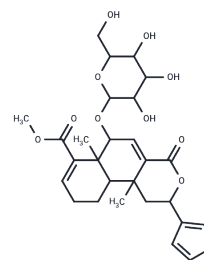


## Borapetoside F

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 151200-50-9   |
| Formula:          | C <sub>27</sub> H <sub>34</sub> O <sub>11</sub>   |
| Molecular Weight: | 534.56  |
| 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   | Borapetoside F is a furanoditerpene extracted from <i>Tinospora crispa</i> . As a secondary metabolite, it is frequently utilized as a chemical marker in developing fingerprints to distinguish between closely related <i>Tinospora</i> species.   |
| Targets(IC50) | Others   |
| In vitro      | In vitro chemical analysis identifies Borapetoside F as a marker compound for the quantitative analysis and quality control of <i>Tinospora</i> medicinal materials. Using techniques such as HPLC, researchers utilize its specific retention time and spectral characteristics to distinguish it from other congeners (e.g., Borapetosides A-E), providing a basis for precise phytochemical identification [1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 1.8707 mL | 9.3535 mL | 18.707 mL |
| 5 mM  | 0.3741 mL | 1.8707 mL | 3.7414 mL |
| 10 mM | 0.1871 mL | 0.9353 mL | 1.8707 mL |
| 50 mM | 0.0374 mL | 0.1871 mL | 0.3741 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

Parveen A, et al. Development of a chemical fingerprint as a tool to distinguish closely related *Tinospora* species and quantitation of marker compounds. *J Pharm Biomed Anal.* 2020 Jan 30;178:112894.

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