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|--------------------------|--------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Thujone                                                                                  |
| <b>Synonyms</b>          | : ALPHA-(-)-THUJONE                                                                        |
| <b>Cat No.</b>           | : M21289                                                                                   |
| <b>CAS Number</b>        | : 546-80-5                                                                                 |
| <b>Molecular Formula</b> | : C <sub>10</sub> H <sub>16</sub> O                                                        |
| <b>Formula Weight</b>    | : 152.23                                                                                   |
| <b>Chemical Name</b>     | : 1-Isopropyl-4-methylbicyclo(3.1.0)hexan-3-one                                            |
| <b>Description</b>       | : Thujone is an inhibitor of $\alpha$ 7ACh with an IC <sub>50</sub> value of 24.7 $\mu$ M. |
| <b>Pathway</b>           | : Others                                                                                   |
| <b>Target</b>            | : Other Targets                                                                            |
| <b>Receptor</b>          | : GABAA;AChR                                                                               |
| <b>Solubility</b>        | : —                                                                                        |
| <b>SMILES</b>            | : <chem>CC(C)[C@](C1)(C2)[C@H]1[C@@H](C)C2=O</chem>                                        |
| <b>Storage</b>           | : (-20°C)                                                                                  |
| <b>Stability</b>         | : $\geq 2$ years                                                                           |
| <b>Reference</b>         | :                                                                                          |

I.Sultan A Yang K H S Isaev D et al. Thujone inhibits the function of  $\alpha$  7 -nicotinic acetylcholine receptors and impairs nicotine-induced memory enhancement in one-trial passive avoidance paradigm[J]. Toxicology 2017 384:23-32.