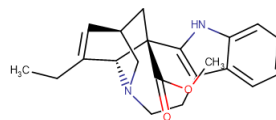


|                          |                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Catharanthine                                                                                               |
| <b>Synonyms</b>          | : (+)-3,4-Didehydrocoronaridine                                                                               |
| <b>Cat No.</b>           | : M13718                                                                                                      |
| <b>CAS Number</b>        | : 2468-21-5                                                                                                   |
| <b>Molecular Formula</b> | : C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>                                               |
| <b>Formula Weight</b>    | : 336.42                                                                                                      |
| <b>Chemical Name</b>     | : —                                                                                                           |
| <b>Description</b>       | : Catharanthine inhibits nicotinic receptor mediated diaphragm contractions with IC <sub>50</sub> of 59.6 μM. |
| <b>Pathway</b>           | : Endocrinology/Hormones                                                                                      |
| <b>Target</b>            | : AChR                                                                                                        |
| <b>Receptor</b>          | : nAChR                                                                                                       |
| <b>Solubility</b>        | : Ethanol: 3 mg/mL (8.91 mM); DMSO: 67 mg/mL (199.14 mM)                                                      |
| <b>SMILES</b>            | : <chem>CCC1=C[C@H]2C[C@]3([C@@H]1N(C2)CCC4=C3NC5=CC=CC=C45)C(=O)OC</chem>                                    |
| <b>Storage</b>           | : (-20°C)                                                                                                     |
| <b>Stability</b>         | : ≥ 2 years                                                                                                   |
| <b>Reference</b>         | :                                                                                                             |



1. Pereira DM, et al. Phytomedicine, 2010, 17(8-9), 646-652.