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| <b>Product Name</b>      | : Ardisiacrispin A                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>          | : Deglucocyclamin; LTS-4; Saxifragifolin B                                                                                                                                                                                                                                                                                                                              |
| <b>Cat No.</b>           | : M24075                                                                                                                                                                                                                                                                                                                                                                |
| <b>CAS Number</b>        | : 23643-61-0                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Formula</b> | : C <sub>52</sub> H <sub>84</sub> O <sub>22</sub>                                                                                                                                                                                                                                                                                                                       |
| <b>Formula Weight</b>    | : 1061.2                                                                                                                                                                                                                                                                                                                                                                |
| <b>Chemical Name</b>     | : —                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>       | : Ardisiacrispin A has cytotoxic activity toward HepG2 cancer cell with the GI(50) value of 1.56μM, it could inhibit the proliferation of Bel-7402 cells by inducing apoptosis and disassembling microtubule. Ardisiacrispin(A+B) exhibit prominent abilities to inhibit the proliferation of HL-60 cells by blocking the cell cycle at S phase and inducing apoptosis. |
| <b>Pathway</b>           | : Microbiology/Virology                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target</b>            | : HSV                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Receptor</b>          | : HSV                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Solubility</b>        | : DMSO: 10 mM                                                                                                                                                                                                                                                                                                                                                           |
| <b>SMILES</b>            | : <chem>[H][C@@]1(O[C@@H]2[C@H]([C@@H]([C@H](O[C@]2(O[C@H]3CO[C@@](O[C@@H]4C(C([C@@](IH))([C@@]5(CC4)C)CC[C@@]6(C)[C@@](C)([C@@]7(CC[C@@]65[H])OC8)C[C@H]([C@]98[C@]7(C[C@@](C=O)(CC9)C)[H])O)C([C@@H]([C@@H]3O)O[C@@]10([H])[C@@H]([C@H]([C@@H]([C@H](O%10)CO)O)O)[H]) [H])CO)O)OC[C@H]([C@@H]([C@H]1O)O)O</chem>                                                      |
| <b>Storage</b>           | : (-20℃)                                                                                                                                                                                                                                                                                                                                                                |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                       |

1. Pro-apoptotic and microtubule-disassembly effects of ardisiacrispin (A+B), triterpenoid saponins from *Ardisia crenata* on human hepatoma Bel-7402 cells. J Asian Nat Prod Res. 2008 Jul-Aug;10(7-8):739-46.