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| <b>Product Name</b>      | : 2,2-Dihydroxy chalcone                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>          | : —                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cat No.</b>           | : M37837                                                                                                                                                                                                                                                                                                                                                          |
| <b>CAS Number</b>        | : 15131-80-3                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Formula</b> | : C <sub>15</sub> H <sub>12</sub> O <sub>3</sub>                                                                                                                                                                                                                                                                                                                  |
| <b>Formula Weight</b>    | : 240.25                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chemical Name</b>     | : —                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>       | 2,2'-Dihydroxy chalcone is a potent inhibitor of $\beta$ -glucuronidase (IC <sub>50</sub> =1.6±0.2 $\mu$ M) and lysozyme (IC <sub>50</sub> =1.4±0.2 $\mu$ M) release from rat neutrophils stimulated with fMLP/CB. 2,2'-Dihydroxy chalcone has inhibitory activity against Escherichia coli, Shigella fowleri, Staphylococcus albicans and Staphylococcus aureus. |
| <b>Pathway</b>           | : Autophagy                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target</b>            | : Autophagy                                                                                                                                                                                                                                                                                                                                                       |
| <b>Receptor</b>          | : Autophagy   Antibacterial                                                                                                                                                                                                                                                                                                                                       |
| <b>Solubility</b>        | : —                                                                                                                                                                                                                                                                                                                                                               |
| <b>SMILES</b>            | : <chem>OC1=C(C=C(C(=O)C2=C(O)C=CC=C2)C=CC=C1</chem>                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                                         |
| <b>Stability</b>         | : $\geq 2$ years                                                                                                                                                                                                                                                                                                                                                  |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                 |