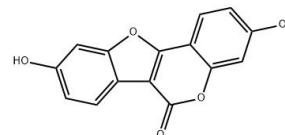


## Technical Data Sheet

### COUMESTROL

#### Compound Information

|                           |                                                                               |
|---------------------------|-------------------------------------------------------------------------------|
| <b>Product Name:</b>      | COUMESTROL                                                                    |
| <b>CAS No.:</b>           | 479-13-0                                                                      |
| <b>Molecular Formula:</b> | C <sub>15</sub> H <sub>8</sub> O <sub>5</sub>                                 |
| <b>Molecular Weight:</b>  | 268.22                                                                        |
| <b>Storage:</b>           | Powder -20°C 3 years; 4°C 2 years<br>In solvent -80°C 6 months; -20°C 1 month |
| <b>Revision Date:</b>     | 2026-04-15                                                                    |



#### Analytical Information

| Tests                  | Specifications                                                                                                                                                                                                             |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description            | Coumestrol, a phytoestrogen present in soybean products, exhibits activities against cancers, neurological disorders, and autoimmune diseases. It suppresses proliferation of ES2 cells with an IC <sub>50</sub> of 50 µM. |
| Form                   | Light beige solid.                                                                                                                                                                                                         |
| Color                  | Pale Yellow to Dark Brown                                                                                                                                                                                                  |
| Purity (HPLC)          | ≥ 95%                                                                                                                                                                                                                      |
| Solubility             | DMSO 25 mg/mL                                                                                                                                                                                                              |
| <a href="#">1H NMR</a> | Pass test                                                                                                                                                                                                                  |

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