



## Product Information

### Modin 1-glucoside

**Cat. No.:** X22-05-ZQ220

**Size:** 10 mg; 20 mg; 50 mg; 100 mg

**CAS Number:** 38840-23-2

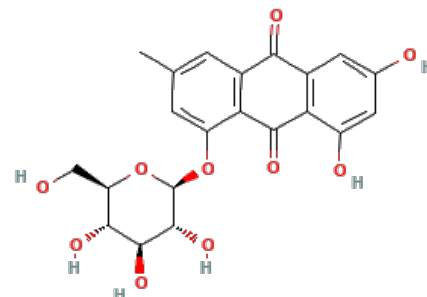
**Compound CID:** 5319333

**Synonym:** 38840-23-2; Emodin 1-O-beta-D-glucoside; Emodin-1-O-glucoside;

1,3-Dihydroxy-6-methyl-8-[(2S,3R,4S,5S,6R

)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyanthracene-9,10-dione

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Modin 1-glucoside has neuroprotective and uncoupling activities, and it may be the new uncoupler of nNOS-PSD-95. Modin 1-glucoside shows inhibitory effects on various tumor cell proliferation. This product is widely used in research in the fields of pharmaceuticals, cosmetics and health products. |
| <b>Molecular Weight</b>  | 432.381                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Formula</b> | C <sub>21</sub> H <sub>20</sub> O <sub>10</sub>                                                                                                                                                                                                                                                           |
| <b>IUPAC Name</b>        | 1,3-Dihydroxy-6-methyl-8-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyanthracene-9,10-dione                                                                                                                                                                                           |
| <b>InChI</b>             | InChI=1S/C21H20O10/c1-7-2-9-15(18(27)14-10(16(9)25)4-8(23)5-11(14)24)12(3-7)30-21-20(29)19(28)17(26)13(6-22)31-21/h2-5,13,17,19-24,26,28-29H,6H2,1H3/t13-,17-,19+,20-,21-/m1/s1                                                                                                                           |
| <b>InChI Key</b>         | ZXXFEBMBNPRRSI-JNHRPPPUSA-N                                                                                                                                                                                                                                                                               |
| <b>Canonical SMILES</b>  | CC1=CC2=C(C(=C1)OC3C(C(C(C(O3)CO)O)O)O)C(=O)C4=C(C2=O)C=C(C(=C4O)O                                                                                                                                                                                                                                        |
| <b>Isomeric SMILES</b>   | CC1=CC2=C(C(=C1)O[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)C(=O)C4=C(C2=O)C=C(C(=C4O)O                                                                                                                                                                                                                  |
| <b>Source</b>            | <i>Dermocybe sanguinea</i>                                                                                                                                                                                                                                                                                |
| <b>Form</b>              | White powder                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>            | ≥98%, determined by HPLC.                                                                                                                                                                                                                                                                                 |
| <b>Identity</b>          | Confirmed by MS and NMR.                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>         | The product is stable for two years when stored at the recommended temperature.                                                                                                                                                                                                                           |
| <b>Applications</b>      | Modin 1-glucoside is widely used in research in the fields of pharmaceuticals, cosmetics and health products.                                                                                                                                                                                             |



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**Storage**

Store at 4°C. Protect from light.

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**Safety Information**

**Personal Protective**

Gloves, eyeshields, N95 mask

**Equipment**

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