

## Product Information

### Melittoside

**Cat. No.:** X23-04-XQ266

**Size:** 5 mg; 10 mg; 20 mg; 100 mg; 200 mg

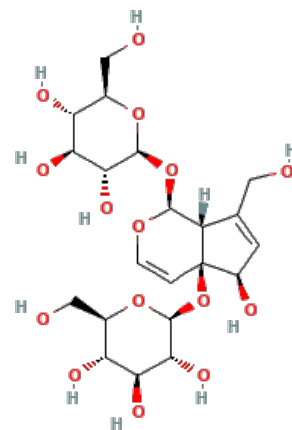
**MDL:** MFCD28964040

**CAS Number:** 19467-03-9

**Compound CID:** 11968737

**Synonym:** 19467-03-9; Melittoside

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



### Product Information

<b>Description</b>	Melittoside is an iridoid glycoside that scavenges free radicals in a Trolox equivalent antioxidant capacity (TEAC) assay.
<b>Molecular Weight</b>	524.472
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>32</sub> O <sub>15</sub>
<b>IUPAC Name</b>	(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i> )-2-[[[(1 <i>S</i> ,4 <i>aS</i> ,5 <i>R</i> ,7 <i>aR</i> )-5-Hydroxy-7-(hydroxymethyl)-4a-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i> )-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-5,7a-dihydro-1 <i>H</i> -cyclopenta[ <i>c</i> ]pyran-1-yl]oxy]-6-(hydroxymethyl)oxane-3,4,5-triol
<b>InChI</b>	InChI=1S/C21H32O15/c22-4-7-3-10(25)21(36-20-17(31)15(29)13(27)9(6-24)34-20)1-2-32-18(11(7)21)35-19-16(30)14(28)12(26)8(5-23)33-19/h1-3,8-20,22-31H,4-6H2/t8-,9-,10-,11+,12-,13-,14+,15+,16-,17-,18+,19+,20+,21-/m1/s1
<b>InChI Key</b>	LZKBAGSBRBMVBE-GVKBFFPQSA-N
<b>Canonical SMILES</b>	C1=COC(C2C1(C(C=C2CO)O)OC3C(C(C(C(O3)CO)O)O)OC4C(C(C(C(O4)CO)O)O)O
<b>Isomeric SMILES</b>	C1=CO[C@H]([C@H]2[C@@]1([C@@H](C=C2CO)O)[C@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)[C@H]4[C@@H]([C@H]([C@@H]([C@H](O4)CO)O)O)O
<b>Purity</b>	>95%, determined by HPLC.
<b>Identity</b>	Confirmed by NMR and MS.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Applications</b>	Melittoside can be used for antioxidant and enzyme-inhibitory activity experiments, etc.
<b>Storage</b>	Store at 4°C. Protect from light.



## Safety Information

**Personal Protective Equipment**      Gloves, eyeshields, N95 mask

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