

**Product Name** : Mulberroside A

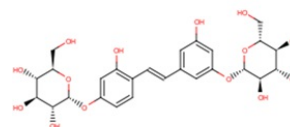
**Synonyms** : Mulberroside A; Mulberroside-A

**Cat No.** : M17759

**CAS Number** : 102841-42-9

**Molecular Formula** : C<sub>26</sub>H<sub>32</sub>O<sub>14</sub>

**Formula Weight** : 568.52



**Chemical Name** : (2S,3R,4S,5S,6R)-2-[3-Hydroxy-4-[(E)-2-[3-hydroxy-5-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyphenyl]ethenyl]phenoxy]-6-(hydroxymethyl)oxane-3,4,5-triol

**Description** : Mulberroside has nephroprotective, hypoglycemic, and antidiabetic effects. Mulberroside A is a glycosylated stilbene of oxyresveratrol; thus, the deglycosylation of Mulberroside A resulted in enhanced inhibition of melanogenesis. Mulberroside A has anti-inflammatory antiapoptotic effects. by decreasing the expressions of tumor necrosis factor- $\alpha$  (TNF- $\alpha$ ), interleukin (IL)-1 $\beta$ , and IL-6 and inhibiting the activation of NALP3, caspase-1, and nuclear factor- $\kappa$ B and the phosphorylation of extracellular signal-regulated protein kinases, the c-Jun N-terminal kinase, and p38.

**Pathway** : Others

**Target** : Other Targets

**Receptor** : Others

**Solubility** : DMSO :  $\geq 40$  mg/mL; 70.36 mM

**SMILES** : C1=CC(=C(C=C1OC2C(C(C(C(O2)CO)O)O)O)O)C=CC3=CC(=CC(=C3)OC4C(C(C(C(O4)CO)O)O)O)O

**Storage** : (-20°C)

**Stability** :  $\geq 2$  years

**Reference** :