



Formula: C₂₁H₂₀O₁₃

MW: 480.38

CAS: 652-78-8

TNP NUMBER: TNP00280

MDL NUMBER: MFCD00017429

IUPAC: 8-(((2S,5S,3R,4R,6R)-3,4,5,6-tetrahydroxy(2H-3,4,5,6-tetrahydropyran-2-yl))methoxy)-2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxychromen-4-one

Smiles:

c1(cc(c(c2c1c(c(c(o2)c1ccc(c(c1)O)O)O)=O)O)[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CO)O)O)O)O)O)O

THERAPEUTIC CATEGORY: antioxidant, anti-inflammatory

REFERENCE: Ajaikumar B. Kunnumakkara¹, Asha S. Nair¹, Kwang Seok Ahn¹, Manoj K. Pandey¹, Zhengfang Yi², Mingyao Liu², and Bharat B. Aggarwal Blood, 15 June 2007, Vol. 109, No. 12, pp. 5112-5121.

SOURCE: Gossypin is an antioxidant, anti-inflammatory flavone extracted from *Hibiscus vitifolius*, also known as tropical rose mallow, a perennial shrub.

ACCEPTORS: 13

DONORS: 9

ROTATION BONDS: 8

N+O: 13

Chiral Centers: 5

LogP: -3.81

LogS: -2.13

LIPINSKI: 2

Synonyms: GOSSYPIN HPLC GRADE

CAS:

MF:

MW:0

EINECS:

Product Categories: GOSSYPIN HPLC GRADE GOSSYPIN HPLC GRADE

Usage And Synthesis: GOSSYPIN HPLC GRADE

