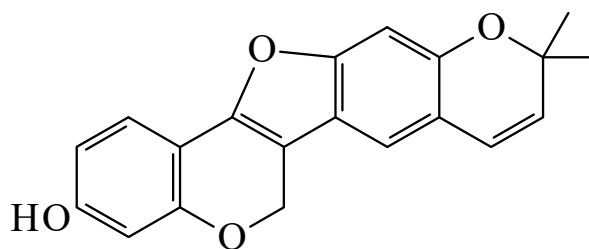




>>Entry Name: Anhydrotuberosin

Synonym(s): 10,10-Dimethyl-6*H*,10*H*-furo[3,2-*c*:4,5-*g'*]bis[1]benzopyran-3-ol, 9Cl



CAS Registry Number: 41347-49-3

Molecular Formula: C<sub>20</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 320.344

Accurate Mass: 320.10486

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Biological Source: Constit. of *Pueraria tuberosa*

Physical Description: Cryst. (Me<sub>2</sub>CO/CH<sub>2</sub>Cl<sub>2</sub>), yellow needles (Me<sub>2</sub>CO aq.)

Melting Point: Mp 186°

>>Derivative: Ac

Melting Point: Mp 164°

>>Derivative: 3-Me ether

Synonym(s): 3-*O*-Methylanhydrotuberosin

CAS Registry Number: 41347-50-6

Molecular Formula: C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>

Molecular Weight: 334.371

Accurate Mass: 334.12051

Percentage Composition: C 75.43%; H 5.43%; O 19.14%

Biological Source: From *Pueraria tuberosa*

Physical Description: Cryst. (hexane/CH<sub>2</sub>Cl<sub>2</sub>)

Melting Point: Mp 165°

References:

Joshi, B.S. *et al.*, *J.C.S. Perkin I*, 1973, 907, (*synth*)

Prasad, A.V. *et al.*, *Indian J. Chem., Sect. B*, 1985, **24**, 236, (*isol*)