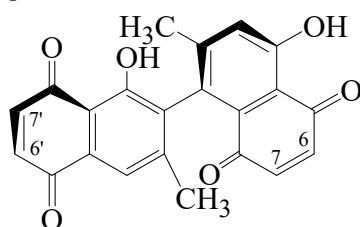




>>Entry Name: Isodiospyrin

Synonym(s): 1',4-Dihydroxy-2,3'-dimethyl[1,2'-binaphthalene]-5,5',8,8'-tetrone, 9Cl



(*R*)<sub>axial</sub>-form

CAS Registry Number: 89475-33-2

Extra CAS Registry Numbers(s): 189200-38-2

Molecular Formula: C<sub>22</sub>H<sub>14</sub>O<sub>6</sub>

Molecular Weight: 374.349

Accurate Mass: 374.07904

Percentage Composition: C 70.59%; H 3.77%; O 25.64%

Solubility: BERDY SOL: Sol. MeOH, C<sub>6</sub>H<sub>6</sub>; fairly sol. hexane; poorly sol. H<sub>2</sub>O

UV: [neutral] λ<sub>max</sub> 253 (); 430 () (MeOH) (Berdy) [neutral] λ<sub>max</sub> 254 (ε 24600); 271 (ε 37100); 436 (ε 9550) (EtOH) (Berdy) [base] λ<sub>max</sub> 295 (); 550 () (MeOH-NAOH) (Berdy)

>>Variant: (*R*)-form

CAS Registry Number: 20175-84-2

Molecular Formula: C<sub>22</sub>H<sub>14</sub>O<sub>6</sub>

Molecular Weight: 374.349

Accurate Mass: 374.07904

Percentage Composition: C 70.59%; H 3.77%; O 25.64%

Biological Source: Widespread occurrence in roots and bark of members of *Diospyros* and *Euclea* spp.

Physical Description: Red (orange) prisms (petrol)

Melting Point: Mp 226-228° (233°)

Optical Rotation: [α]<sub>D</sub><sup>23</sup> -16.6 (c, 0.27 in CHCl<sub>3</sub>). [α]<sub>D</sub><sup>23</sup> -150 (c, 0.27 in CHCl<sub>3</sub>)

>>Derivative: 6,6'-Diethoxy

CAS Registry Number: 186758-52-1

Molecular Formula: C<sub>26</sub>H<sub>22</sub>O<sub>8</sub>

Molecular Weight: 462.455

Accurate Mass: 462.13147

Percentage Composition: C 67.53%; H 4.79%; O 27.68%

Biological Source: Constit. of *Diospyros maritima*

>>Derivative: 6,7'-Diethoxy

CAS Registry Number: 186758-53-2

Molecular Formula: C<sub>26</sub>H<sub>22</sub>O<sub>8</sub>

Molecular Weight: 462.455

Accurate Mass: 462.13147

Percentage Composition: C 67.53%; H 4.79%; O 27.68%

Biological Source: Constit. of *Diospyros maritima*

>>Derivative: 6',7-Diethoxy

CAS Registry Number: 186758-49-6

Molecular Formula: C<sub>26</sub>H<sub>22</sub>O<sub>8</sub>

Molecular Weight: 462.455

Accurate Mass: 462.13147

Percentage Composition: C 67.53%; H 4.79%; O 27.68%

Biological Source: Constit. of *Diospyros maritima*

>>Derivative: 7,7'-Diethoxy

CAS Registry Number: 186758-51-0