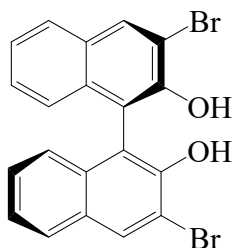




>>Entry Name: 3,3'-Dibromo-2,2'-dihydroxy-1,1'-binaphthyl

Synonym(s): 3,3'-Dibromo-[1,1'-binaphthalene]-2,2'-diol, 9CI



(R)-form

Related CAS Registry Numbers(s): 75714-60-2 119707-74-3

Molecular Formula: C<sub>20</sub>H<sub>12</sub>Br<sub>2</sub>O<sub>2</sub>

Molecular Weight: 444.122

Accurate Mass: 441.960402

Percentage Composition: C 54.09%; H 2.72%; Br 35.98%; O 7.20%

>>Variant: (R)-form

CAS Registry Number: 111795-43-8

Molecular Formula: C<sub>20</sub>H<sub>12</sub>Br<sub>2</sub>O<sub>2</sub>

Molecular Weight: 444.122

Accurate Mass: 441.960402

Percentage Composition: C 54.09%; H 2.72%; Br 35.98%; O 7.20%

>>Derivative: Di-Me ether

Synonym(s): 3,3'-Dibromo-2,2'-dimethoxy-1,1'-binaphthalene, 9CI

CAS Registry Number: 75714-59-9

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

Melting Point: Mp 174-175°

Optical Rotation: [ $\alpha$ ]<sub>D</sub><sup>25</sup>+13.2 (c, 1.2 in CHCl<sub>3</sub>)

>>Variant: (±)-form

CAS Registry Number: 149821-06-7

Molecular Formula: C<sub>20</sub>H<sub>12</sub>Br<sub>2</sub>O<sub>2</sub>

Molecular Weight: 444.122

Accurate Mass: 441.960402

Percentage Composition: C 54.09%; H 2.72%; Br 35.98%; O 7.20%

>>Derivative: Di-Me ether

Extra CAS Registry Numbers(s): 75640-69-6

Molecular Formula: C<sub>22</sub>H<sub>16</sub>Br<sub>2</sub>O<sub>2</sub>

Molecular Weight: 472.175

Accurate Mass: 469.991702

Percentage Composition: C 55.96%; H 3.42%; Br 33.85%; O 6.78%

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

Melting Point: Mp 158-159°

#### References:

Lingenfelter, D.S. *et al.*, *J.O.C.*, 1981, **46**, 393-406, (*di-Me ether*)

Maruoka, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1988, **61**, 2975-2976, (*R-form, synth*)

Wipf, P. *et al.*, *J.O.C.*, 2000, **65**, 6319-6337, (*di-Me ether*)