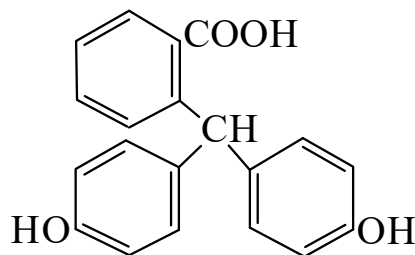




>>Entry Name: 2-[Bis(4-hydroxyphenyl)methyl]benzoic acid, 9CI

Synonym(s): 4',4'-Dihydroxytriphenylmethane-2-carboxylic acid. Phenolphthalin



CAS Registry Number: 81-90-3

Molecular Formula:  $C_{20}H_{16}O_4$

Molecular Weight: 320.344

Accurate Mass: 320.10486

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

Physical Description: Needles ( $H_2O$  or EtOH aq.)

Melting Point: Mp 225°. Mp 235-235.5°

Sigma: P8903

>>Derivative: Et ester

Molecular Formula:  $C_{22}H_{20}O_4$

Molecular Weight: 348.398

Accurate Mass: 348.13616

Percentage Composition: C 75.84%; H 5.79%; O 18.37%

Physical Description: Leaflets or needles (EtOH aq.)

Melting Point: Mp 156-158°

>>Derivative: Di-Me ether

CAS Registry Number: 7477-32-9

Molecular Formula:  $C_{22}H_{20}O_4$

Molecular Weight: 348.398

Accurate Mass: 348.13616

Percentage Composition: C 75.84%; H 5.79%; O 18.37%

Physical Description: Needles (EtOH)

Melting Point: Mp 149-150°

#### References:

Baeyer, A., *Annalen*, 1880, **202**, 80

Blicke, F.F. *et al.*, *J.A.C.S.*, 1936, **58**, 276

Davis, M.M. *et al.*, *J. Res. Natl. Bur. Stand. (U.S.)*, 1947, **39**, 221