



>>Entry Name: (Hydroxyphenylmethyl)phosphinic acid, 9CI

Synonym(s): ( $\alpha$ -Hydroxybenzyl)phosphinic acid, 8CI

CAS Registry Number: 52705-43-8

PhCH(OH)PH(O)OH

Molecular Formula: C<sub>7</sub>H<sub>9</sub>O<sub>3</sub>P

Molecular Weight: 172.12

Accurate Mass: 172.028932

Percentage Composition: C 48.85%; H 5.27%; O 27.89%; P 18.00%

Rare Chemicals Library: S57626-3

>>Variant: ( $\pm$ )-form

Molecular Formula: C<sub>7</sub>H<sub>9</sub>O<sub>3</sub>P

Molecular Weight: 172.12

Accurate Mass: 172.028932

Percentage Composition: C 48.85%; H 5.27%; O 27.89%; P 18.00%

Physical Description: Cryst. (butanol)

Melting Point: Mp 110°

pKa Value: pK<sub>a</sub> 1.4 (H<sub>2</sub>O)

Other Data: Dec. at 140°

>>Derivative: Anilinium salt (1:1)

CAS Registry Number: 65801-40-3

Physical Description: Cryst. (EtOH)

Melting Point: Mp 158-160°

#### References:

Schmidt, H., *Chem. Ber.*, 1948, **50**, 477, (*synth*)

Viout, M.P., *J. Rech. CNRS*, 1954, **28**, 15; *CA*, **50**, 7077

Hata, T. *et al.*, *Chem. Lett.*, 1977, 1431, (*synth, ir, pmr*)