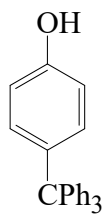




>>Entry Name: 4-(Triphenylmethyl)phenol, 8CI

Synonym(s): 4-Tritylphenol. *p*--Hydroxytetraphenylmethane.  $\alpha,\alpha,\alpha$ -Triphenyl-*p*-cresol.. (4-Hydroxyphenyl)triphenylmethane



CAS Registry Number: 978-86-9

Molecular Formula:  $C_{25}H_{20}O$

Molecular Weight: 336.432

Accurate Mass: 336.151415

Percentage Composition: C 89.25%; H 5.99%; O 4.76%

Melting Point: Mp 283-286°

Rare Chemicals Library: S5418-7

>>Derivative: Ac

Molecular Formula:  $C_{27}H_{22}O_2$

Molecular Weight: 378.47

Accurate Mass: 378.16198

Percentage Composition: C 85.69%; H 5.86%; O 8.45%

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 174-175°

>>Derivative: Me ether

Synonym(s): (4-Methoxyphenyl)triphenylmethane. *p*-Methoxytetraphenylmethane

CAS Registry Number: 7402-89-3

Molecular Formula:  $C_{26}H_{22}O$

Molecular Weight: 350.459

Accurate Mass: 350.167065

Percentage Composition: C 89.11%; H 6.33%; O 4.57%

Physical Description: Needles (AcOH)

Melting Point: Mp 200.5-202°

#### References:

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Lavrushin, V.F., *Zh. Obshch. Khim.*, 1959, **29**, 3005; *J. Gen. Chem. USSR (Engl. Transl.)*, 1959, **29**, 2970, (*uv*)

Shulgin, A.T., *J.O.C.*, 1962, **27**, 3868, (*synth*, *Ac*)

Churchani, G. *et al.*, *J.C.S.(C)*, 1969, 1436, (*synth*)