Phenol, 2,2'-methylenebis[6-(1,1-dimethylethyl)-4-methyl-

Other names: 2,2'-Bis(4-methyl-6-tert-butylphenol)methane;
2,2'-Bis-6-terc.butyl-p-cresylmethan;
2,2'-Methylene-bis(6-tert-butyl)-para-cresol;
2,2'-Methylene-bis(6-tert-butyl-4-methylphenol);
2,2'-Methylenebis(6-(1,1-dimethylethyl)-4-methyl-phenol);
2,2'-Methylenebis(6-(1,1-dimethylethyl)-p-cresol);
2,2'-Methylenebis(6-t-butyl-4-methylphenol);
2,2'-Methylenebis(6-tert-butyl-p-cresol);
2,2'-Methylenebis(4-Methyl-6-tert-butylphenol);
2,2'-Methylenebis(6-tert-butylphenol);
2-t-Butyl-6-(2-hydroxy-3-tert-butyl-5-methyl-benzyl)-4-methyl-phenol;
3,3'-Di-tert-butyl-5,5'-dimethyl-2,2-dihydroxydiphenylmethane;
6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol; A-22-46; AO 1; AO 1
(Antioxidant); AO 2246; Advastab 405; Agidol 2; Alterungsschutzmittel
BKF; Antage W 400; Anti Ox; Antioxidant 1; Antioxidant 2246; Antioxidant
BKF; Antioxidant NG-2246; Antioxidant OMB; BKF;
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane;
Bis(2-hydroxy-5-methyl-3-tert-butylphenyl)methane; Bisaklofen bp;
Bisalkofen BP; CAO 14; CAO 5; Calco 2246; Catolin 14; Chemax 21;
Cyanox 2246; Di(2-hydroxy-5-methyl-3-tert-butylphenyl)methane; Ionol
46; Lederle 2246; Lowinox 22M46; Methane, 2,2'-bis(6-t-butyl-p-cresyl)-;
Methane, 2,2'-bis(6-tert-butyl-p-cresyl)-;
NG 2246; Nocrac NS 6; Nocrack
NS 6; OXY CHEK 114; Phenol,
2,2'-methylenebis*6-(1,1-dimethylethyl)-4-methyl-;
Plastanox 2246;
Plastanox 2246 Antioxidant; Ralox 46; S 67; Sumilizer MDP; Synox 5LT;
Vulkanox BKF; p-Cresol, 2,2'-methylenebis*6-tert-butyl-;
p-Cresol,
2,2'-methylenebis[6-tert-butyl-.

InChI: InChI=1S/C23H32O2/c1-14-9-16(20(24)18(11-14)22(3,4)5)13-17-1
0-15(2)12-19(21(17)25)23(6,7)8/h9-12,24-25H,13H2,1-8H3
InChI Key: KGRVJHAYBGFFP-UHFFFAOYSA-N

Formula: C23H32O2

SMILES: Cc1cc(Cc2cc(C)cCc(C)(C)(C)c2O)c(O)c(C)(C)(C)c1

Molecular Weight: 340.50

CAS: 119-47-1

Physical Properties

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**Temperature Dependent Properties**

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**Sources**

NIST Webbook: http://webbook.nist.gov/cgi/inchi/InChI=1S/C23H32O2/c1-14-9-16(20(24)18(11-14)22(3,4)5)13-17-10-15(2)12-19(21(17)25)23(6,7)8/h9-12,24-25H,13H2,1-8H3
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

**Legend**

$C_{p,\text{gas}}$: Ideal gas heat capacity (J/mol×K).
$\eta$: Dynamic viscosity (Pa×s).
$\Delta G^\circ$: Standard Gibbs free energy of formation (kJ/mol).
$\Delta H^\circ_{\text{gas}}$: Enthalpy of formation at standard conditions (kJ/mol).
$\Delta_{\text{fus}} H^\circ$: Enthalpy of fusion at standard conditions (kJ/mol).
$\Delta_{\text{fus}} H$: Enthalpy of fusion at a given temperature (kJ/mol).
$\Delta_{\text{sub}} H$: Enthalpy of sublimation at a given temperature (kJ/mol).
$\Delta_{\text{vap}} H^\circ$: Enthalpy of vaporization at standard conditions (kJ/mol).
$\log P_{\text{oct/wat}}$: Octanol/Water partition coefficient.
$P_c$: Critical Pressure (kPa).
$T_{\text{boil}}$: Normal Boiling Point Temperature (K).
$T_c$: Critical Temperature (K).
$T_{\text{fus}}$: Normal melting (fusion) point (K).
$V_c$: Critical Volume (m$^3$/kg-mol).

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