# Diethylstilbestrol dipropionate

**Other names:**

Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, dipropanoate, (E)-
Clinestrol
Cyren B
Dibestil
«alpha»,«alpha»'-Diethyl-4,4'-stilbenediol dipropionate, (E)-
«alpha»,«alpha»'-Diethyl-4,4'-stilbenediol dipropionyl ester, (E)-
Diethylstilbestrol propionate
Dihydroxydiethylstilbene dipropionate
p,p'-Dipropionoxy-trans-«alpha»,«beta»-diethylstilbene
Estilben
Estilbin
Estroben DF
Estrobene DP
Estrogenin
Estrostilben
Euvestin
Gynolett
Horfemine
Neo-oestranol ll
New-oestranol 11
Oestrogynaedron
Orestol
Pabestrol D
Sinciclan
Sinestrol
4,4'-Stilbenediol, «alpha»,«alpha»'-diethyl-, dipropionate, (E)-
Stilbestrol dipropionate
Stilbestrol propionate
Stilbestronate
Stilboestrol dp
Stilbofax
Stilronate
synEstrol
synOestrol
synOestron
synTestrin
synTestrine
Tauripar B
«alpha»,«alpha»'-Diethyl-p,p'-stilbenediol dipropionate, (E)-
DESD

trans-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol dipropionate
«alpha»,«alpha»'-Diethyl-4,4'-stilbenediol trans-dipropionate
trans-«alpha»,«alpha»'-Diethyl-4,4'-stilbenediol dipropionate
Diethylstilbesterol dipropionate
4,4'-Dihydroxy-«alpha»,«beta»-diethylstilbene dipropionate, (E)-
Dipropionato de estilbene
New-oestranol ll
4,4'-Stilbenediol, «alpha»,«alpha»'-diethyl-, dipropionate, trans-
Stilbestrol, diethyl dipropionate
Stilboestrol dipropionate
Willestrol
Vetoestrol
Phenol, 4,4'-[(1E)-1,2-diethyl-1,2-ethenediyl]bis-, dipropanoate

**Inchi:** InChI=1S/C24H28O4/c1-5-21(17-9-13-19(14-10-17)27-23(25)7-3)22(6-2)18-11-15-20(16

**InchiKey:** VZMLEMYJUIIHNF-QURGRASLSA-N

**Formula:** C24H28O4

**SMILES:** CCC(=O)Oc1ccc(C(CC)=C(CC)c2ccc(OC(=O)CC)cc2)cc1

**Mol. weight [g/mol]:** 380.48

**CAS:** 130-80-3

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| gf | -47.96 | kJ/mol | Joback Method |
| hf | -480.53 | kJ/mol | Joback Method |
| hfus | 48.38 | kJ/mol | Joback Method |
| hvap | 93.32 | kJ/mol | Joback Method |
| log10ws | -7.22 | | Crippen Method |
| logp | 6.048 | | Crippen Method |
| mcvol | 312.080 | ml/mol | McGowan Method |
| pc | 1335.88 | kPa | Joback Method |
| tb | 968.34 | K | Joback Method |
| tc | 1198.68 | K | Joback Method |
| tf | 549.44 | K | Joback Method |
| vc | 1.194 | m3/kmol | Joback Method |

# Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| cpg | 986.35 | J/mol×K | 968.34 | Joback Method |
| cpg | 1000.72 | J/mol×K | 1006.73 | Joback Method |
| cpg | 1013.79 | J/mol×K | 1045.12 | Joback Method |
| cpg | 1025.64 | J/mol×K | 1083.51 | Joback Method |
| cpg | 1036.33 | J/mol×K | 1121.90 | Joback Method |
| cpg | 1045.93 | J/mol×K | 1160.29 | Joback Method |
| cpg | 1054.51 | J/mol×K | 1198.68 | Joback Method |

# Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C130803&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Joback Method:** https://en.wikipedia.org/wiki/Joback_method

# Legend

**cpg:** Ideal gas heat capacity
**gf:** Standard Gibbs free energy of formation
**hf:** Enthalpy of formation at standard conditions
**hfus:** Enthalpy of fusion at standard conditions
**hvap:** Enthalpy of vaporization at standard conditions
**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume
**pc:** Critical Pressure
**tb:** Normal Boiling Point Temperature
**tc:** Critical Temperature
**tf:** Normal melting (fusion) point
**vc:** Critical Volume