Benzenamine, 4,4'-methylenebis[2-chloro-

Other names:

Aniline, 4,4'-methylenebis[2-chloro-
Bis(3-chloro-4-aminophenyl)methane
Bis(4-amino-3-chlorophenyl)methane
Diamet Kh
LD 813
Methylenebis[3-Chloro-4-aminobenzene]
MOCA
Quodorole
3,3'-Dichloro-4,4'-Diaminodiphenylmethane
4,4'-Methylenebis[o-chloroaniline]
4,4'-Methylenebis[2-chloroaniline]
4,4'-Diamino-3,3'-dichlorodiphenyl methane
2,2'-dichloro-4,4'-methylendianiline
p,p'-Methylenebis(«alpha»-chloroaniline)
p,p'-Methylenebis(o-chloroaniline)
Curalin M
Curene 442
Cyanaset
CL-MDA
Dacpm
Di(4-amino-3-chlorophenyl)methane
Di-(4-amino-3-clorofenil)metano
Methylene-4,4'-bis(o-chloroaniline)
MBOCA
MOCA (curing agent)
3,3'-Dichlor-4,4'-diaminodiphenylmethan
3,3'-Dicloro-4,4'-diaminodifenilmetano
4,4-Metilene-bis-o-cloroanilina
4,4'-Methylenebis(2-chlorobenzenamine)
Bis-amine A
3,3'-Dichloro-4,4'-diaminodifenilmetano
Methylene-bis-orthochloroaniline
Rcra waste number U158
Bisamine S
Cuamine M
Cuamine MT
Methylenebis(chloroaniline)
Millionate M
Aniline), methylene bis-4,4'-(2-chloro-

Inchi:

InChI=1S/C13H12Cl2N2/c14-10-6-8(1-3-12(10)16)5-9-2-4-13(17)11(15)7-9/h1-4,6-7H,5,1

InchiKey: IBOFVQJTBBUKMU-UHFFFAOYSA-N
Formula: C13H12Cl2N2
SMILES: Nc1ccc(Cc2ccc(N)c(Cl)c2)cc1Cl
Mol. weight [g/mol]: 267.15
CAS: 101-14-4

Physical Properties

Property code	Value	Unit	Source
gf	353.92	kJ/mol	Joback Method
hf	151.63	kJ/mol	Joback Method
hfus	34.74	kJ/mol	Joback Method
hvap	81.78	kJ/mol	Joback Method
log10ws	-4.21		Crippen Method
logp	3.749		Crippen Method
mcvol	190.950	ml/mol	McGowan Method
pc	3005.73	kPa	Joback Method
rinpol	2417.50		NIST Webbook
tb	790.04	K	Joback Method
tc	1053.77	K	Joback Method
tf	565.55	K	Joback Method
vc	0.704	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	482.53	J/mol×K	790.04	Joback Method
cpg	494.15	J/mol×K	834.00	Joback Method
cpg	504.74	J/mol×K	877.95	Joback Method
cpg	514.36	J/mol×K	921.91	Joback Method
cpg	523.08	J/mol×K	965.86	Joback Method
cpg	530.98	J/mol×K	1009.82	Joback Method
cpg	538.11	J/mol×K	1053.77	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C101144&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume