Bendiocarb

Other names:	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methylcarbamate
	Carbamic acid, methyl-, 2,3-(isopropylidenedioxy)phenyl ester
	Ficam
	Ficam 80 W
	Fisons NC 6897
	NC 6897
	Carbamic acid, methyl-, 2,3-(dimethylmethylenedioxy)phenyl ester
	Bencarbate
	Bendiocarbe
	1,3-Benzodioxole, 2,2-dimethyl-4-(N-methylaminocarboxylato)-
	1,3-Benzodioxole, 2,2-dimethyl-4-(N-methylcarbamato)-
	2,2-Dimethyl-1,3-benzdioxol-4-yl N-methylcarbamate
	2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate
	2,2-Dimethylbenzo-1,3-dioxol-4-yl methylcarbamate
	Dycarb
	Ficam D
	Ficam ULV
	Ficam W
	Garvox
	2,3-Isopropylidene-dioxyphenyl methylcarbamate
	Methylcarbamic acid 2,3-(isopropylidenedioxy)phenyl ester
	Multamat
	Multimet
	Niomil
	OMS-1394
	Rotate
	Seedox
	Tattoo
	Turcam
	Fuam
	Garvox 3G
	Sedox
	Seedoxin
	Seedox 80W
	Tatoo
	2,3-Isopropylidenedioxyphenyl-N-methylcarbamate
Inchi:	InChI=1S/C11H13NO4/c1-11(2)15-8-6-4-5-7(9(8)16-11)14-10(13)12-3/h4-6H,1-3H3,(H,1
InchiKey:	XEGGRYVFLWGFHI-UHFFFAOYSA-N
Formula:	C11H13NO4
SMILES:	CN=C(O)Oc1cccc2c1OC(C)(C)O2

Mol. weight [g/mol]: 223.23
CAS: 22781-23-3

Physical Properties

Property code	Value	Unit	Source
hf	-444.76	kJ/mol	Joback Method
hvap	73.95	kJ/mol	Joback Method
log10ws	-2.65		Crippen Method
logp	2.116		Crippen Method
mcvol	160.390	ml/mol	McGowan Method
pc	2950.48	kPa	Joback Method
rinpol	1674.00		NIST Webbook
rinpol	1674.00		NIST Webbook
ripol	2750.00		NIST Webbook
ripol	2750.00		NIST Webbook
tb	739.76	K	Joback Method
tc	963.16	K	Joback Method
tf	402.77 ± 0.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	29.45	kJ/mol	402.60	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C22781233&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

hf:	Enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point