

Practolol

Other names:

Acetamide, N-[4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]-
Acetanilide, 4'-[2-hydroxy-3-(isopropylamino)propoxy]-
AY 21011
Dalzic
Eraldin
ICI 50172
Practalol
Teranol
4'-[2-Hydroxy-3-(Isopropylamino)propoxy]acetanilide
1-(4-Acetamidophenoxy)-3-isopropylamino-2-propanol
N-(4-(2-Hydroxy-3-((1-methylethyl)amino)propoxy)phenyl)acetamide
Praktololu
4-[2-Hydroxy-3-(isopropylamino)propoxy]-acetanilide
DL-Practolol

Inchi: InChI=1S/C14H22N2O3/c1-10(2)15-8-13(18)9-19-14-6-4-12(5-7-14)16-11(3)17/h4-7,10,13**InchiKey:** DURULFYMVIFBIR-UHFFFAOYSA-N**Formula:** C14H22N2O3**SMILES:** CC(=O)Nc1ccc(OCC(O)CNC(C)C)cc1**Mol. weight [g/mol]:** 266.34**CAS:** 6673-35-4

Physical Properties

Property code	Value	Unit	Source
gf	-27.06	kJ/mol	Joback Method
hf	-407.88	kJ/mol	Joback Method
hfus	35.70	kJ/mol	Joback Method
hvap	87.63	kJ/mol	Joback Method
log10ws	-2.56		Crippen Method
logp	1.383		Crippen Method
mvol	217.630	ml/mol	McGowan Method
pc	2342.82	kPa	Joback Method
tb	819.31	K	Joback Method
tc	1021.16	K	Joback Method
tf	494.78	K	Joback Method
vc	0.812	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	663.03	J/mol×K	819.31	Joback Method
cpg	675.72	J/mol×K	852.95	Joback Method
cpg	687.51	J/mol×K	886.59	Joback Method
cpg	698.45	J/mol×K	920.23	Joback Method
cpg	708.55	J/mol×K	953.88	Joback Method
cpg	717.84	J/mol×K	987.52	Joback Method
cpg	726.34	J/mol×K	1021.16	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6673354&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

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