

«alpha»-(4-Bromophenylimino)-ortho-cresol

Other names:	Salicylidene p-bromoaniline Salicylidene-(p-bromoanil) «alpha»-(4-bromophenylimino)-o-cresol o-Cresol, «alpha»-(p-bromophenylimino)- Phenol, o-(p-bromophenylformimidoyl)- Phenol, 2-(((4-bromophenyl)imino)methyl)- Phenol, o-(N-(p-bromophenyl)formimidoyl)- Salicylaldehyde 4-bromanil
Inchi:	InChI=1S/C13H10BrNO/c14-11-5-7-12(8-6-11)15-9-10-3-1-2-4-13(10)16/h1-9,16H
InchiKey:	VWAMOQWOPYDCQR-UHFFFAOYSA-N
Formula:	C13H10BrNO
SMILES:	Oc1ccccc1C=Nc1ccc(Br)cc1
Mol. weight [g/mol]:	276.13
CAS:	886-34-0

Physical Properties

Property code	Value	Unit	Source
hf	81.18	kJ/mol	Joback Method
hvap	72.51	kJ/mol	Joback Method
log10ws	-4.05		Crippen Method
logp	3.905		Crippen Method
mcvol	175.560	ml/mol	McGowan Method
pc	3435.91	kPa	Joback Method
tb	778.64	K	Joback Method
tc	1057.72	K	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=C886340&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀ws:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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