

Benzamide, 5-chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxy-

Other names:

2',5-Dichlor-4'-nitro-salizylsaeureanilid
2',5-Dichloro-4'-Nitrosalicylanilide
2-Chloro-4-nitrophenylamide-6-chlorosalicylic acid
2-Hydroxy-5-chloro-N-(2-chloro-4-nitrophenyl)benzamide
5-Chloro-2'-chloro-4'-nitrosalicylanilide
5-Chloro-N-(2'-chloro-4'-nitrophenyl)salicylamide
5-Chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide (niclosamide)
5-chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide
Atenase
BAY 2353
Bayer 2353
Bayer 73
Bayluscid
Cestocid
Cestocide
Chemagro 2353
Devermin
Devermine
Dichlosale
ENT 25823
Fedal-Telmin
Fenasal
HL 2447
Helmiantin
Iomesan
Iomezan
Lintex
Mansonil
Mato
N-(2'-Chlor-4'-nitrophenyl)-5-chlorsalicylamid
N-(2'-Chloro-4'-nitrophenyl)-5-chlorosalicylamide
N-(2-Chloro-4-nitrophenyl)-5-chlorosalicylamide
Nasemo
Niclocide
Phenasal
Radeverm
Ruby
Sagimid
Salicylanilide, 2',5-dichloro-4'-nitro-
Sulqui

Property code	Value	Unit	Temperature [K]	Source
cpg	550.33	J/mol×K	976.50	Joback Method
cpg	559.25	J/mol×K	1022.35	Joback Method
cpg	567.95	J/mol×K	1068.20	Joback Method
cpg	576.59	J/mol×K	1114.04	Joback Method
cpg	585.34	J/mol×K	1159.89	Joback Method
cpg	594.37	J/mol×K	1205.74	Joback Method

cpg	603.85	J/mol×K	1251.59	Joback Method
hfust	40.70	kJ/mol	505.40	NIST Webbook
hfust	35.98	kJ/mol	502.20	NIST Webbook

Sources

Aqueous Solubility Prediction Method: <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDataset002.xlsx>

Cheméo Relay (1.0):

Phase solubility studies of poorly soluble drug molecules by using N-phenylphthalated calixarenes as drug solubilizing agents:
Crippen Method:

<https://www.doi.org/10.1021/je200992c>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C50657&Units=SI>

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Cheméo Relay (1.0, beta):

McGowan Method:

<http://link.springer.com/article/10.1007/BF02311772>

Estimated Solubility Method:

http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt

Joback Method:

https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hfust:	Enthalpy of fusion at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/108-632-0/Benzamide-5-chloro-N-2-chloro-4-nitrophenyl-2-hydroxy.pdf>

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