

4-chloroanilinium chloride

Other names:	4-Chloroaniline hydrochloride
Inchi:	InChI=1S/C6H6ClN.ClH/c7-5-1-3-6(8)4-2-5;/h1-4H,8H2;1H
InchiKey:	ISJBQSJDQZLCSF-UHFFFAOYSA-N
Formula:	C6H7Cl2N
SMILES:	Cl.Nc1ccc(Cl)cc1
Mol. weight [g/mol]:	164.03
CAS:	20265-96-7

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	77.80	kJ/mol	428.00	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	$\ln(P_{vp}) = A + B/(T + C)$
Coeff. A	1.85588e+01
Coeff. B	-7.53636e+03
Coeff. C	-3.04400e+00
Temperature range (K), min.	373.00
Temperature range (K), max.	571.94

Sources

The Yaws Handbook of Vapor
Pressure:
NIST Webbook:

<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C20265967&Units=SI>

Legend

hsubt: Enthalpy of sublimation at a given temperature

pvap: Vapor pressure

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