

3-Chloroaniline hydrochloride

Other names:	Benzenamine, 3-chloro-, hydrochloride
	Amarthol Fast Orange GC Base
	Amarthol Fast Orange GC Salt
	Aniline, m-chloro-, hydrochloride
	Ansibases Orange GC
	Azofix Orange GC Salt
	Azogene Fast Orange GC Base
	Azogene Fast Orange GC Salt
	Azogene Fast Orange GCN Base
	Azogene Fast Orange GEN Salt
	Brentamine Fast Orange GC Base
	Brentamine Fast Orange GC Salt
	C.I. Azoic Diazo Component 2
	C.I. 37005
	Daito Orange Base GC
	Daito Orange Salt GC
	Devol Orange C
	Devol Orange GC
	Devol Orange GC Salt
	Diabase Orange GC Base
	Diazo Fast Orange GC
	Fast Orange Base GC
	Fast Orange Base JS
	Fast Orange G Base
	Fast Orange GC New Salt
	Fast Orange JS Salt
	Fast Orange MC Base
	Fast Orange MC Salt
	Fast Orange Salt GC
	Fast Orange Salt GCS
	Hiltonil Fast Orange GC Base
	Hiltosal Fast Orange GC Salt
	Hindasol Orange GC Salt
	Naphtoelan Fast Orange GC Base
	Naphtoelan Fast Orange GC Salt
	Natasol Fast Orange GC Salt
	Orange Base Ciba IV
	Orange Base Irga IV
	Orange Base NGC
	Orange GC Salt

	Orange GCS Salt
	Orange Salt Ciba IV
	Orange Salt Irga IV
	Orange Salt NGC
	Sanyo Fast Orange GC Base
	Symulon Orange GC Base
	3-Chloroaniline hydrochloride
	3-chloroanilinium chloride
Inchi:	InChI=1S/C6H6ClN.ClH/c7-5-2-1-3-6(8)4-5;/h1-4H,8H2;1H
InchiKey:	NMGHWHCTRGZZOP-UHFFFAOYSA-N
Formula:	C6H7Cl2N
SMILES:	[Cl-].[NH3+]c1cccc(Cl)c1
Mol. weight [g/mol]:	164.04

Physical Properties

Property code	Value	Unit	Source
hf	-183.31	kJ/mol	Cheméo Relay (1.0)
hvap	65.76	kJ/mol	Cheméo Relay (1.0)
ie	10.12	eV	Cheméo Relay (1.0)
log10ws	-2.23		Cheméo Relay (1.0)
tb	487.67	K	Cheméo Relay (1.0)
tf	388.12	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	71.30	kJ/mol	428.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C141855&Units=SI>

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

hf:	Enthalpy of formation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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