

Ethanol, 2-[[4-[(2-chloro-4-nitrophenyl)azo]phenyl]ethylamino]ethanol

Other names:

Azobenzene, 2-chloro-4-nitro-4'-[2-(hydroxyethyl)(ethyl)amino]-
4-(N-Ethyl-N-2-hydroxyethylamino)4'-nitro-2'-chloroazobenzene

Acetamine Rubine B

Acetate Fast Rubine B

Acetoquinone Light Rubine BLZ

Amacel Rubine B

C.I. 11115

C.I. Disperse Red 13

Celliton Discharging Rubine BL

Celliton Fast Rubine BA-CF

Celliton Fast Rubine B

Cibacet Rubine R

Celliton Ruby B

Cibacet Rubine BS

Cilla Fast Rubine B

Diacelliton Fast Bordeaux B

Disperse Bordeaux S

Dispersol Fast Crimson B

Dispersol Rubine B

Durgacet Rubine B

Fenacet Fast Rubine B

Interchem Acetate Bordeaux B

Kayalon Fast Rubine B

Microsetile Rubine 2B

Nyloquinone Bordeaux B

Palacet Scarlet B

Perlton Rubine 4B

Serisol Fast Crimson BD

Setacyl Red 2B

Silotras Rubine TSB

Supracet Fast Crimson B

2-[[4-[(2-chloro-4-nitrophenyl)azo]phenyl]ethylamino]ethanol

Inchi: InChI=1S/C16H17ClN4O3/c1-2-20(9-10-22)13-5-3-12(4-6-13)18-19-16-8-7-14(21(23)24)

InchiKey: FEJPWLNPOFOBSP-UHFFFAOYSA-N

Formula: C16H17ClN4O3

SMILES: CCN(CCO)c1ccc(N=Nc2ccc([N+](=O)[O-])cc2Cl)cc1

Mol. weight [g/mol]: 348.78

CAS: 3180-81-2

Physical Properties

Property code	Value	Unit	Source
hf	1.10	kJ/mol	Joback Method
hvap	104.12	kJ/mol	Joback Method
log10ws	-4.86		Crippen Method
logp	4.482		Crippen Method
mcvol	249.950	ml/mol	McGowan Method
pc	1835.69	kPa	Joback Method
tb	1076.87	K	Joback Method
tc	1330.61	K	Joback Method

Sources

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=C3180812&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation 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

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