

Azobenzene, 2-chloro-4-nitro-4'-[2-(hydroxyethyl)(ethyl)amino]-

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]: 348.79

Physical Properties

Property code	Value	Unit	Source
logp	4.482		Crippen Method
mcvol	249.950	ml/mol	McGowan Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C3180812&Units=SI>

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

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

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

Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

Latest version available from:

<https://www.cheméo.com/cid/57-651-6/Azobenzene-2-chloro-4-nitro-4-2-hydroxyethyl-ethyl-amino.pdf>

Generated by Cheméo on 2026-07-21 12:05:08.954473325 +0000 UTC m=+146604.796358741.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.