

Disperse yellow 3

Other names: Acetamide, N-[4-[(2-hydroxy-5-methylphenyl)azo]phenyl]-
Acetamine yellow CG
Acetate fast yellow G
Acetoquinone light yellow
Acetoquinone light yellow 4JLZ
Altco sperse fast yellow GFN new
Amacel yellow G
Artisil direct yellow G
Artisil yellow G
Artisil yellow 2GN
Calcosyn yellow GC
Calcosyn yellow GCN
Celliton discharge yellow GL
Celliton fast yellow G
Celliton fast yellow GA
Celliton fast yellow ga-cf
Celliton yellow G
Celutate yellow GH
C.I. 11855
C.I. 3/11855
Cibacete yellow GBA
Cibacet yellow GBA
Cibacet yellow 2GC
C.I. Disperse yellow 3
Cilla fast yellow G
C.I. Solvent yellow 77
Diacelliton fast yellow G
Disperse fast yellow G
Disperse yellow G
Disperse yellow Z
Dispersol fast yellow G
Dispersol printing yellow G
Dispersol yellow A-G
Durgacet yellow G
Durosperse yellow G
Eastone yellow gn
Esteroquinone light yellow 4jl
Estone yellow GN
Fenacet fast yellow G
Fenacet yellow G

Genacron yellow G
Hispacet fast yellow G
Hisperse yellow G
N-4-((2-Hydroxy-5-methylphenyl)azo)phenyl)acetamide
4'-((6-Hydroxy-m-tolyl)azo)acetanilide
Interchem acetate yellow G
Interchem disperse yellow gh
Intraperse yellow GBA
Intrasperse yellow gba extra
Kayalon fast yellow G
Kayaset yellow G
Kca acetate fast yellow G
Microsetile yellow GR
Miketon fast yellow G
Nacelan fast yellow CG
NCI-C53781
Novalon yellow 2GN
Nyloquinone light yellow 4jl
Nyloquinone yellow 4J
Ostacet yellow P2G
Palacet yellow GN
Palanil yellow G
Pamacel yellow G-3
Perliton yellow G
Reliton yellow C
Resiren yellow TG
Safaritone yellow G
Samaron yellow pa3
Serinyl hosiery yellow GD
Seriplas yellow GD
Serisol fast yellow GD
Setacyl yellow G
Setacyl yellow 2gn
Setacyl yellow P-2gl
Silotras yellow tsg
Supracet fast yellow G
Synten yellow 2G
Synton yellow 2G
Terasil yellow gba extra
Terasil yellow 2GC
Tertranese yellow N-2GL
Tuladisperse fast yellow 2G
Vonteryll yellow G

Vonteryl yellow R
 Yellow reliton G
 Yellow Z
 Zlut disperzni 3
 Zlut rozpoustedlova 77
 N-(4-[2-(2-Hydroxy-5-methylphenyl)diazenyl]phenyl)acetamide
 Acetamide, N-[4-[2-(2-hydroxy-5-methylphenyl)diazenyl]phenyl]-
 Acetanilide, 4'-(6-hydroxy-m-tolylazo)-
 4-Acetamido-2'-hydroxy-5'-methylazobenzene
 Transetile Yellow P-GR
 Cibacet Yellow 2GC150
 4'-[(2-Hydroxy-5-methylphenyl)azo]acetanilide
 Lurafix Yellow 142
 Disperse yellow 3,ci 11855
Inchi: InChI=1S/C15H15N3O2/c1-10-3-8-15(20)14(9-10)18-17-13-6-4-12(5-7-13)16-11(2)19/h3
InchiKey: PXOZAFXVEWKXED-UHFFFAOYSA-N
Formula: C15H15N3O2
SMILES: CC(=O)Nc1ccc(N=Nc2cc(C)ccc2O)cc1
Mol. weight [g/mol]: 269.30
CAS: 2832-40-8

Physical Properties

| Property code | Value | Unit | Source |
|---------------|------------------|--------|----------------|
| chs | -7799.00 ± 14.00 | kJ/mol | NIST Webbook |
| hf | -92.01 | kJ/mol | Joback Method |
| hfs | -247.00 ± 14.00 | kJ/mol | NIST Webbook |
| hvap | 87.73 | kJ/mol | Joback Method |
| log10ws | -3.74 | | Crippen Method |
| logp | 4.074 | | Crippen Method |
| mcvol | 207.770 | ml/mol | McGowan Method |
| pc | 2349.64 | kPa | Joback Method |
| tb | 939.78 | K | Joback Method |
| tc | 1199.69 | K | Joback Method |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|-------|------|-----------------|--------|
|---------------|-------|------|-----------------|--------|

Sources

| | |
|------------------------|---|
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| 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=C2832408&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |

Legend

| | |
|-----------------|--|
| chs: | Standard solid enthalpy of combustion |
| hf: | Enthalpy of formation at standard conditions |
| hfs: | Solid phase enthalpy of formation at standard conditions |
| hsubt: | Enthalpy of sublimation at a given temperature |
| hvac: | Enthalpy of vaporization at standard conditions |
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |
| mccvol: | McGowan's characteristic volume |
| pc: | Critical Pressure |
| tb: | Normal Boiling Point Temperature |
| tc: | Critical Temperature |

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