Anthraquinone-1,4-diamine, 2-methoxy-

Other names:

1,4-Da-2-moa
1,4-Diamino-2-methoxyanthra-9,10-quinone
1,4-Diamino-2-methoxyanthraquinone
1,4-Diamino-2-methoxyanthroquinone
9,10-Anthracenedione, 1,4-diamino-2-methoxy-
Acetate Fast Pink 3B
Amacel Cerise B
Anthraquinone, 1,4-diamino-2-methoxy-
Artisil Brilliant Rose 5BP
C.I. 11/52015
C.I. 62015
C.I. Disperse Red 11
C.I. Solvent Violet 26
Celanthrene Fast Pink 3B
Celliton Fast Pink FF3B
Celliton Fast Pink FF3BA-CF
Celliton Rose FF3B
Cerven disperzni 11
Cibacet Brilliant Pink 4BN
Cibacete Brilliant Pink 4BN
Cilla Fast Pink FF3B
Disperse Brilliant Pink
Disperse Brilliant Rose
Dispersol Red B 3B
Duranol Red X 3B
Fenacet Fast Pink 3BE
Interchem Acetate Pink 3B
Miketon Fast Pink FF 3B
NSC 81266
Nacelan Pink 3B
Palanil Violet 6R
Perliton Red Violet FFB
Samaron Red Violet F3B
Seriplas Red X3B
Serisol Brilliant Red X 3B
Setacyl Red P-3B
Solvent Violet 26
Supracet Fast Pink 3B
Teraprint Red 6B
Terasil Brilliant Pink 4BN

	Violet rozpoustedlova 26
Inchi:	InChI=1S/C15H12N2O3/c1-20-10-6-9(16)11-12(13(10)17)15(19)8-5-3-2-4-7(8)14(11)18/h
InchiKey:	TUXJTJITXCHUEL-UHFFFAOYSA-N
Formula:	C15H12N2O3
SMILES:	COc1cc(N)c2c(c1N)C(=O)c1ccccc1C2=O
Mol. weight [g/mol]:	268.27

Physical Properties

Property code	Value	Unit	Source
hfus	30.51	kJ/mol	Joback Method
ie	7.62	eV	Cheméo Relay (1.0)
logp	1.635		Crippen Method
mcvol	192.800	ml/mol	McGowan Method
tb	704.47	K	Cheméo Relay (1.0)
tf	494.69	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	585.27	J/mol×K	931.12	Joback Method
cpg	595.91	J/mol×K	976.24	Joback Method
cpg	605.12	J/mol×K	1021.36	Joback Method
cpg	612.90	J/mol×K	1066.48	Joback Method
cpg	619.24	J/mol×K	1111.61	Joback Method
cpg	624.13	J/mol×K	1156.73	Joback Method
cpg	627.58	J/mol×K	1201.85	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2872482&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.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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