

Benzenamine, 4-methoxy-2-nitro-

Other names:

- p-Anisidine, 2-nitro-
- Acco Fast Bordeaux GP Salt
- Amarthol Fast Bordeaux GP Base
- Amarthol Fast Bordeaux GP Salt
- Atul Fast Bordeaux GP Base
- Azobase NAS
- Azoene Fast Bordeaux GP Base
- Azoene Fast Bordeaux GP Salt
- Azofix Bordeaux GP
- Azogene Fast Bordeaux G
- Bordeaux Base Ciba IV
- Bordeaux Base Irga IV
- Bordeaux Base NGP
- Bordeaux GP Base
- Bordeaux GP Salt
- Bordeaux GPS Salt
- Bordeaux Salt Ciba IV
- Bordeaux Salt NGP
- Brentamine Fast Bordeaux GP Base
- C.I. Azoic Diazo Component 1
- C.I. 37135
- Daito Bordeaux Base GP
- Daito Bordeaux Salt GP
- Devol Bordeaux B
- Devol Bordeaux GP Salt
- Diabase Bordeaux GP
- Diasalt Bordeaux GP
- Diazo Fast Bordeaux GP
- Durgasol Bordeaux GP Salt
- Fast Bordeaux Base GP
- Fast Bordeaux Base J
- Fast Bordeaux GDN
- Fast Bordeaux GP
- Fast Bordeaux GP Base
- Fast Bordeaux GP Salt
- Fast Bordeaux GPN Base
- Fast Bordeaux Salt GP
- Fast Bordeaux Salt GPN
- Fast Bordeaux Salt J
- Fast Bordeaux 3NA Base

Hansol Bordeaux GP Salt
Hiltonil Fast Bordeaux GP Base
Hiltosal Fast Bordeaux GP Salt
Hindasol Bordeaux GP Salt
Kako Bordeaux GP Base
Kako Bordeaux GP Salt
Kayaku Fast Bordeaux GP Base
Kayaku Fast Bordeaux Salt GP
Lake Maroon B Base
Mitsui Bordeaux GP Base
Mitsui Bordeaux GP Salt
Naphthanil Bordeaux GP Base
Naphthanil Diazo Bordeaux GP
Naphthosol Fast Bordeaux GP Salt
Naphtoelan Fast Bordeaux GP Base
Naphtoelan Fast Bordeaux GP Salt
Natasol Bordeaux GP Salt
Pharmasol Bordeaux GP
Pharmazoid Bordeaux GP
Sanyo Fast Bordeaux GP Base
Sanyo Fast Bordeaux Salt GP
Shinnippon Fast Bordeaux GP Base
Sugai Fast Bordeaux GP Base
Symulon Bordeaux GP Base
Tulabase Fast Bordeaux GP
2-Nitro-p-anisidine
2-Nitro-4-methoxyaniline
3-Nitro-4-aminoanisole
4-Amino-3-nitroanisole
4-Methoxy-2-nitroaniline
Aniline, 4-methoxy-2-nitro-
Gp-amin
o-Nitro-p-anisidine
4-Methoxy-o-nitroaniline
4-Methoxy-2-nitrophenylamine
1-Amino-2-nitro-4-methoxybenzene
Fast Bordeaux GDN base
2-Nitro-4-methoxybenzenamine
4-Methoxy-2-nitrobenzenamine
InChI=1S/C7H8N2O3/c1-12-5-2-3-6(8)7(4-5)9(10)11/h2-4H,8H2,1H3
QFMJFXFXQAFGBO-UHFFFAOYSA-N
C7H8N2O3
COc1ccc(N)c([N+](=O)[O-])c1

Inchi:

InchiKey:

Formula:

SMILES:

Mol. weight [g/mol]: 168.15
CAS: 96-96-8

Physical Properties

Property code	Value	Unit	Source
gf	98.21	kJ/mol	Joback Method
hf	-83.41	kJ/mol	Joback Method
hfus	24.89	kJ/mol	Joback Method
hvap	64.42	kJ/mol	Joback Method
log10ws	-1.88		Crippen Method
logp	1.186		Crippen Method
mcvol	119.000	ml/mol	McGowan Method
pc	4233.04	kPa	Joback Method
tb	642.99	K	Joback Method
tc	896.92	K	Joback Method
tf	469.21	K	Joback Method
vc	0.449	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	291.35	J/mol×K	642.99	Joback Method
cpg	301.87	J/mol×K	685.31	Joback Method
cpg	311.62	J/mol×K	727.63	Joback Method
cpg	320.60	J/mol×K	769.95	Joback Method
cpg	328.83	J/mol×K	812.28	Joback Method
cpg	336.32	J/mol×K	854.60	Joback Method
cpg	343.08	J/mol×K	896.92	Joback Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C96968&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
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>

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion 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
tf:	Normal melting (fusion) point
vc:	Critical Volume

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