3-Hydroxy-2-naphthoyl-ortho-anisidide

Other names:

2-Hydroxy-3-naphthoyl-o-anisidide
Naphthol AS-OL
Naphthol AS-DL
2-Naphthalenecarboxamide, 3-hydroxy-N-(2-methoxyphenyl)-
Acna Naphthol O
Amanil Naphthol AS-OL
Amarthol AS-OL
Anthonaphthol MF
Azoground OL
Azoic coupling component 20
Azonaphtol OA
Azotol OA
Brentosyn FR
C.I. Azoic Coupling Component 20
C.I. Developer 22
C.I. 37530
Celcot RK
Cibanaphthol RK
Daito Grounder OL
Diathol BO
Diathol OL
Dragonthol OL
Hiltonaphthol AS-OL
Irganaphthol RK
Kambothol ASOL
Miketazol Developer NLF
Mitsui Naphthozol OL
Naftolo MOL
Naphtanilide OL
Naphtazol F
Naphthanil OL
Naphthoide OL
Naphtoelan OL
Naphtol AS-OL
Solunaptol FRL
Tulathol AS-OL
1-(2',3'-Hydroxynaphthoylamino)-2-methoxybenzene
2-(3-Hydroxy-2-naphthamido)anisole
2-Naphth-o-anisidide, 3-hydroxy-
3-(o-Methoxyphenylaminocarbonyl)-2-naphthol

	3-(2-Methoxyphenylcarbamoyl)-2-naphthol
	3-Hydroxy-2-naphthoic o-anisidide
	3-Hydroxy-2'-methoxy-2-naphthanilide
	2'-Methoxy-2-hydroxy-3-naphthanilide
	NSC 50680
Inchi:	InChI=1S/C18H15NO3/c1-22-17-9-5-4-8-15(17)19-18(21)14-10-12-6-2-3-7-13(12)11-16(
InchiKey:	AQYMRQUYPFCXDM-UHFFFAOYSA-N
Formula:	C18H15NO3
SMILES:	COc1ccccc1N=C(O)c1cc2ccccc2cc1O
Mol. weight [g/mol]:	293.32
CAS:	135-62-6

Physical Properties

Property code	Value	Unit	Source
hf	-162.99	kJ/mol	Joback Method
hvap	98.67	kJ/mol	Joback Method
log10ws	-4.63		Crippen Method
logp	4.190		Crippen Method
mcvol	220.790	ml/mol	McGowan Method
pc	2643.39	kPa	Joback Method
tb	965.32	K	Joback Method
tc	1214.61	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=C135626&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.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