

2-Naphthalenecarboxamide, 3-hydroxy-N-1-naphthalenyl-

Other names:

Acco Naphthol AS-BO
Acna Naphthol F
Amanil Naphthol AS-BO
Amarthol AS-BO
Anthonaphthol M3B
Azonaphtol AN
Azotol ANF
Brenthol AN
C.I. Azoic Coupling Component 4
C.I. 37560
Celcot RN
Cibanaphthol RN
Dragonthol BO
Hiltonaphthol AS-BO
Mitsui Naphthozol BO
Naftolo MBO
Naphtanilide BO
Naphtanilide BO Supra
Naphtazol 3B
Naphthoide BO
Naphthol ACNA F
Naphthol AS-BO
Naphtoelan BO
Naphtol AS-BO
Naphtol AS-BOLL
Sanatol BO
Solunaptol ANL
Tulathol AS-BO
Ultrazol VII-BO
1-(2',3'-Hydroxynaphthoylamino)naphthalene
2-Naphthamide, 3-hydroxy-N-1-naphthyl-
3-Hydroxy-2-naphthoic-«alpha»-naphthalide
3-Hydroxy-N-1-naphthyl-2-naphthamide
NSC 37202

Inchi:

InChI=1S/C21H15NO2/c23-20-13-16-8-2-1-7-15(16)12-18(20)21(24)22-19-11-5-9-14-6-3

InchiKey:

QGZGJNPVHADCFM-UHFFFAOYSA-N

Formula:

C21H15NO2

SMILES:

OC(=Nc1cccc2ccccc12)c1cc2ccccc2cc1O

Mol. weight [g/mol]:

313.35

CAS:

132-68-3

Physical Properties

Property code	Value	Unit	Source
hf	98.38	kJ/mol	Joback Method
hvap	104.58	kJ/mol	Joback Method
log10ws	-6.31		Crippen Method
logp	5.335		Crippen Method
mcvol	237.730	ml/mol	McGowan Method
pc	2574.11	kPa	Joback Method
tb	1030.52	K	Joback Method
tc	1292.89	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C132683&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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

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