Oxyphenisatin Acetate

Other names:

3,3-Bis(4-acetoxyphenyl)oxindole
3,3-Bis(p-acetoxyphenyl)oxindole
Acetophenolisatin
2H-Indol-2-one, 3,3-bis[4-(acetyloxy)phenyl]-1,3-dihydro-
Acelax
Acetalax
Bisatin
Brocatine
Cirotyl
Contax
Darmoletten
Diacetoxydiphenylisatin
Diacetyl bis(hydroxyphenyl)isatin
Diacetyl bis(p-hydroxyphenyl)isatin
Diacetyldihydroxydiphenylisatin
Diacetyldioxyphenylisatin
Diacetyldiphenolisatin
Diphesatin
Diphesatine
Eulaxin
Isacen
Isaphen
Isaphenin
Isatin, O,O'-diacetyldiphenol-
Isocrin
Izafenin
Laxo-Isatin
Laxocol
Lenavac
Lisagal
LA 96
Oxindole, 3,3'-bis(p-hydroxyphenyl)-, diacetate
Promassolax
Prulet
Prulet Liquitab
Puragaceen
Purgaceen
Purgophen
Sanapert
Tete-Lax

2-Indolinone, 3,3-bis(p-hydroxyphenyl)-, diacetate (ester)
3,3-Bis(p-acetoxyphenyl)-2-indolinone
3,3-Bis(p-hydroxyphenyl)-2-indolinone diacetate
3,3-Bis(p-hydroxyphenyl)-2-indolinone diacetate (ester)
4,4'-Diacetoxydiphenylisatin
Lavema
Acetphenolisatin
Bydolax
NSC-59687
NSC 117186
3,3-Bis[4-(acetyloxy)phenyl]-1,3-dihydro-2H-indol-2-one
oxyphenisatine di(acetate)

Inchi: InChI=1S/C24H19NO5/c1-15(26)29-19-11-7-17(8-12-19)24(18-9-13-20(14-10-18)30-16(2

InchiKey: PHPUXYRXPHEJDF-UHFFFAOYSA-N

Formula: C24H19NO5

SMILES: CC(=O)Oc1ccc(C2(c3ccc(OC(C)=O)cc3)C(=O)Nc3ccccc32)cc1

Mol. weight [g/mol]: 401.41

CAS: 115-33-3

Physical Properties

Property code	Value	Unit	Source
gf	12.08	kJ/mol	Joback Method
hf	-364.96	kJ/mol	Joback Method
hfus	45.38	kJ/mol	Joback Method
hvap	105.91	kJ/mol	Joback Method
log10ws	-5.27		Crippen Method
logp	3.824		Crippen Method
mcvol	293.310	ml/mol	McGowan Method
pc	1980.59	kPa	Joback Method
tb	1119.43	K	Joback Method
tc	1393.01	K	Joback Method
tf	524.00 ± 3.00	K	NIST Webbook
tf	516.00 ± 8.00	K	NIST Webbook
vc	1.103	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	973.89	J/mol×K	1119.43	Joback Method
cpg	992.09	J/mol×K	1165.03	Joback Method
cpg	1010.42	J/mol×K	1210.62	Joback Method
cpg	1029.13	J/mol×K	1256.22	Joback Method
cpg	1048.43	J/mol×K	1301.82	Joback Method
cpg	1068.57	J/mol×K	1347.41	Joback Method
cpg	1089.75	J/mol×K	1393.01	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C115333&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

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