3-Phenyl-5-phenoxymethyl-2-N-phenyliminooxazo

Inchi: InChI=1S/C22H20N2O2/c1-4-10-18(11-5-1)23-22-24(19-12-6-2-7-13-19)16-21(26-22)17-
InchiKey: OYWOXRIHKJOTHN-GHVJWSGMSA-N
Formula: C22H20N2O2
SMILES: c1ccc(N=C2OC(COc3ccccc3)CN2c2ccccc2)cc1
Mol. weight [g/mol]: 344.41
CAS: 34028-37-0

Physical Properties

Property code	Value	Unit	Source
chs	-11440.70 ± 3.80	kJ/mol	NIST Webbook
hfs	-74.90 ± 3.80	kJ/mol	NIST Webbook
log10ws	-5.03		Crippen Method
logp	4.659		Crippen Method
mcvol	266.100	ml/mol	McGowan Method
ss	426.20	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	400.20	J/mol×K	298.15	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C34028370&Units=SI

Legend

chs:	Standard solid enthalpy of combustion
cps:	Solid phase heat capacity
hfs:	Solid phase enthalpy of formation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ss:	Solid phase molar entropy at standard conditions