Furazan, dibenzoyl-

Other names: 3,4-Dibenzoyl-1,2,5-oxadiazole
Inchi: InChI=1S/C16H10N2O3/c19-15(11-7-3-1-4-8-11)13-14(18-21-17-13)16(20)12-9-5-2-6-10
InchiKey: NPRKTQDWJWXWET-UHFFFAOYSA-N
Formula: C16H10N2O3
SMILES: O=C(c1ccccc1)c1nonc1C(=O)c1ccccc1
Mol. weight [g/mol]: 278.26
CAS: 10349-12-9

Physical Properties

Property code	Value	Unit	Source
chs	-7829.50 ± 9.20	kJ/mol	NIST Webbook
log10ws	-8.65		Crippen Method
logp	2.532		Crippen Method
mcvol	198.290	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C10349129&Units=SI
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

Legend

chs: Standard solid enthalpy of combustion
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume