1H-Isoindole-1,3(2H)-dione, 2-[1,1'-biphenyl]-2-yl-

Other names: Phthalimide, N-2-biphenylyl-
2-[1,1'-Biphenyl]-2-yl-1H-isoindole-1,3(2H)-dione
N-(2-Biphenylyl)phthalic acid imide

Inchi: InChI=1S/C20H13NO2/c22-19-16-11-4-5-12-17(16)20(23)21(19)18-13-7-6-10-15(18)14-8

InchiKey: NGYOQODFXPCRIQ-UHFFFAOYSA-N

Formula: C20H13NO2

SMILES: O=C1c2ccccc2C(=O)N1c1ccccc1-c1ccccc1

Mol. weight [g/mol]: 299.32

CAS: 14835-59-7

Physical Properties

Property code	Value	Unit	Source
ie	8.50	eV	NIST Webbook
log10ws	-6.16		Crippen Method
logp	4.154		Crippen Method
mcvol	223.640	ml/mol	McGowan Method

Sources

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=C14835597&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

ie: Ionization energy

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume