

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

Other names: Phthalimide, N-2-biphenyl-
2-[1,1'-Biphenyl]-2-yl-1H-isoindole-1,3(2H)-dione
N-(2-Biphenyl)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/ci9903071>

Legend

ie: Ionization energy

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

Latest version available from:

<https://www.cheméo.com/cid/62-178-6/1H-Isoindole-1-3-2H-dione-2-1-1-biphenyl-2-yl.pdf>

Generated by Cheméo on 2024-04-27 07:05:52.537574043 +0000 UTC m=+16490801.458151358.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.