

1H-Isoindole-1,3(2H)-dione, 2-[1,1'-biphenyl]-4-yl-

Other names: Phthalimide, N-4-biphenyl-
N-p-Biphenylphthalimide
N-(4-Biphenyl)phthalic acid imide

Inchi: InChI=1S/C20H13NO2/c22-19-17-8-4-5-9-18(17)20(23)21(19)16-12-10-15(11-13-16)14-0

InchiKey: NJTCXXFLSXRCRT-UHFFFAOYSA-N

Formula: C20H13NO2

SMILES: O=C1c2ccccc2C(=O)N1c1ccc(-c2ccccc2)cc1

Mol. weight [g/mol]: 299.32

CAS: 1592-49-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.16		Crippen Method
logp	4.154		Crippen Method
mcvol	223.640	ml/mol	McGowan Method

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=C1592490&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

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