3-Phenylazopyridine-2,6-diamine, N2-acetyl-

Other names: N-(6-amino-5-((E)-phenyldiazenyl)pyridin-2-yl)acetamide
Inchi: InChI=1S/C13H13N5O/c1-9(19)15-12-8-7-11(13(14)16-12)18-17-10-5-3-2-4-6-10/h2-8H,
InchiKey: YBAFUGALWDQLSE-UHFFFAOYSA-N
Formula: C13H13N5O
SMILES: CC(=O)Nc1ccc(N=Nc2ccccc2)c(N)n1
Mol. weight [g/mol]: 255.28

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.11		Crippen Method
logp	3.038		Crippen Method
mcvol	193.680	ml/mol	McGowan Method
rinpol	2656.00		NIST Webbook

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=U373244&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

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