Pyridine, 2,4,6-triphenyl-

Other names:	2,4,6-Triphenylpyridine
	2,4,6-Triphenyl-pyridin
Inchi:	InChI=1S/C23H17N/c1-4-10-18(11-5-1)21-16-22(19-12-6-2-7-13-19)24-23(17-21)20-14-8
InchiKey:	FRZHWQQBYDFNTH-UHFFFAOYSA-N
Formula:	C23H17N
SMILES:	c1ccc(-c2cc(-c3ccccc3)nc(-c3ccccc3)c2)cc1
Mol. weight [g/mol]:	307.39
CAS:	580-35-8

Physical Properties

Property code	Value	Unit	Source
chs	-11757.00 ± 8.30	kJ/mol	NIST Webbook
hfs	276.60 ± 8.30	kJ/mol	NIST Webbook
log10ws	-9.05		Crippen Method
logp	6.083		Crippen Method
mcvol	249.870	ml/mol	McGowan Method
ss	371.60	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	358.60	J/mol×K	298.15	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C580358&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

chs:	Standard solid enthalpy of combustion
cps:	Solid phase heat capacity
hfs:	Solid phase enthalpy of formation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ss:	Solid phase molar entropy at standard conditions