2-(2-PHENYLVINYL)PYRIDINE, CIS

Other names: 2-(2-Phenylethenyl)pyridine, (Z)
Pyridine, 2-(2-phenylethenyl)-, (Z)-
(Z)-2-Phenylethenylpyridine
Inchi: InChI=1S/C13H11N/c1-2-6-12(7-3-1)9-10-13-8-4-5-11-14-13/h1-11H
InchiKey: BIAWAXVRXKIUQB-KTKRTIGZSA-N
Formula: C13H11N
SMILES: C(=C/c1ccccn1)/c1ccccc1
Mol. weight [g/mol]: 181.24

Physical Properties

Property code	Value	Unit	Source
hf	320.87	kJ/mol	Cheméo Relay (1.0)
hvap	75.68	kJ/mol	Cheméo Relay (1.0)
ie	8.15	eV	NIST Webbook
log10ws	-2.54		Cheméo Relay (1.0)
logp	3.252		Crippen Method
mcvol	152.190	ml/mol	McGowan Method
tb	582.61	K	Cheméo Relay (1.0)
tf	298.26	K	Cheméo Relay (1.0)

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	414.20	K	1.30	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1519591&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point