# 2-(2-Phenylvinyl)pyridine, cis

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|---|---|
| **Other names:** | 2-(2-Phenylethenyl)pyridine, (Z)<br>Pyridine, 2-(2-phenylethenyl)-, (Z)-<br>(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/b10-9- |
| **InchiKey:** | BIAWAXVRXKIUQB-KTKRTIGZSA-N |
| **Formula:** | C13H11N |
| **SMILES:** | C(=Cc1ccccn1)c1ccccc1 |
| **Mol. weight [g/mol]:** | 181.23 |
| **CAS:** | 1519-59-1 |

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| ie | 8.15 | eV | NIST Webbook |
| log10ws | -3.84 | | Crippen Method |
| logp | 3.252 | | Crippen Method |
| mcvol | 152.190 | ml/mol | McGowan Method |

## Pressure Dependent Properties

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

## Sources

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|---|---|
| **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=C1519591&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

# Legend

| | |
|---|---|
| **ie:** | Ionization energy |
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **tbrp:** | Boiling point at reduced pressure |

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