ALLYLDIPHENYLPHOSPHINE

Inchi: InChI=1S/C15H15P/c1-2-13-16(14-9-5-3-6-10-14)15-11-7-4-8-12-15/h2-12H,1,13H2
InchiKey: PDDYFPPQDKRJTK-UHFFFAOYSA-N
Formula: C15H15P
SMILES: C=CCP(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 226.26

Physical Properties

Property code	Value	Unit	Source
hvap	67.33	kJ/mol	Cheméo Relay (1.0)
ie	8.17	eV	Cheméo Relay (1.0)
logp	3.305		Crippen Method
mcvol	190.850	ml/mol	McGowan Method
tf	260.23	K	Cheméo Relay (1.0)

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	470.00 ± 3.00	K	2.00	NIST Webbook
tbrp	423.00	K	0.05	NIST Webbook

Sources

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=C2741380&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point