triphenylmethylenephosphorane

Other names:	Methylenetriphenylphosphine
	Methylenetriphenylphosphorane
	Methylidenetriphenylphosphorane
	Triphenylmethylenephosphorane
	Triphenylphosphine methylene
	Triphenylphosphine methylide
	Triphenylphosphomethylene
	Triphenylphosphormethylene
Inchi:	InChI=1S/C19H17P/c1-20(17-11-5-2-6-12-17,18-13-7-3-8-14-18)19-15-9-4-10-16-19/h2-1
InchiKey:	XYDYWTJEGDZLTH-UHFFFAOYSA-N
Formula:	C19H17P
SMILES:	C=P(c1ccccc1)(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	276.31

Physical Properties

Property code	Value	Unit	Source
ie	6.85	eV	Cheméo Relay (1.0)
logp	3.412		Crippen Method
mcvol	227.750	ml/mol	McGowan Method
tf	379.74	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B8022708&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
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):	

Legend

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point

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