

# 1,2-Diphospha-3-silacyclopropane, 1,2-bis(1,1-dimethylethyl)-3-diphenyl-

|                      |   |
|----------------------|---|
| Inchi:               | InChI=1S/C20H28P2Si/c1-19(2,3)21-22(20(4,5)6)23(21,17-13-9-7-10-14-17)18-15-11-8- |
| InchiKey:            | LQPAGUZFISRHNU-UHFFFAOYSA-N   |
| Formula:             | C20H28P2Si  |
| SMILES:              | CC(C)(C)P1P(C(C)(C)C)[Si]1(c1ccccc1)c1ccccc1                                      |
| Mol. weight [g/mol]: | 358.47  |
| CAS:                 | 75356-86-4  |

## Physical Properties

| Property code | Value | Unit | Source         |
|---------------|-------|------|----------------|
| ie            | 7.20  | eV   | NIST Webbook   |
| ie            | 7.65  | eV   | NIST Webbook   |
| log10ws       | -5.81 |      | Crippen Method |
| logp          | 5.732 |      | Crippen Method |

## Sources

|                 |   |
|-----------------|---|
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C75356864&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C75356864&amp;Units=SI</a> |
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                     |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |

## Legend

|          |                                     |
|----------|-------------------------------------|
| ie:      | Ionization energy                   |
| log10ws: | Log10 of Water solubility in mol/l  |
| logp:    | Octanol/Water partition coefficient |

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