

# PHOSPHINE SELENIDE, TRIPHENYL-

|                      |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| Other names:         | Phosphine selenide, triphenyl-                                                    |
| Inchi:               | InChI=1S/C18H15PSe/c20-19(16-10-4-1-5-11-16,17-12-6-2-7-13-17)18-14-8-3-9-15-18/h |
| InchiKey:            | ZFVJLNKVUKIPPI-UHFFFAOYSA-N                                                       |
| Formula:             | C18H15PSe                                                                         |
| SMILES:              | [Se]=P(c1ccccc1)(c1ccccc1)c1ccccc1                                                |
| Mol. weight [g/mol]: | 341.25                                                                            |

## Physical Properties

| Property code | Value  | Unit | Source             |
|---------------|--------|------|--------------------|
| ie            | 7.45   | eV   | Cheméo Relay (1.0) |
| logp          | 3.064  |      | Crippen Method     |
| tf            | 428.47 | K    | Cheméo Relay (1.0) |

## Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C3878442&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

Cheméo Relay (1.0):

## Legend

|       |                                     |
|-------|-------------------------------------|
| ie:   | Ionization energy                   |
| logp: | Octanol/Water partition coefficient |
| tf:   | Normal melting (fusion) point       |

Latest version available from:

<https://www.chemeo.com/cid/73-793-1/PHOSPHINE-SELENIDE-TRIPHENYL.pdf>

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