

# 1-Propanamine, 3-(diethoxymethylsilyl)-

|                      |                                                                                                                                                                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other names:         | Propylamine, 3-(diethoxymethylsilyl)-<br>(3-Aminopropyl)diethoxymethylsilane<br>(3-Aminopropyl)methyldiethoxysilane<br>3-(Diethoxymethylsilyl)propylamine<br>Silane, (3-aminopropyl)diethoxymethyl-<br>Aminopropylmethyldiethoxysilane<br>CA0742<br>Dynasylan 1505<br>Dynasylan 1506<br>KBE 902 |
| Inchi:               | InChI=1S/C8H21NO2Si/c1-4-10-12(3,11-5-2)8-6-7-9/h4-9H2,1-3H3                                                                                                                                                                                                                                    |
| InchiKey:            | HXLAEGYMDGUSBD-UHFFFAOYSA-N                                                                                                                                                                                                                                                                     |
| Formula:             | C8H21NO2Si                                                                                                                                                                                                                                                                                      |
| SMILES:              | CCO[Si](C)(CCCN)OCC                                                                                                                                                                                                                                                                             |
| Mol. weight [g/mol]: | 191.34                                                                                                                                                                                                                                                                                          |
| CAS:                 | 3179-76-8                                                                                                                                                                                                                                                                                       |

## Physical Properties

| Property code | Value | Unit | Source         |
|---------------|-------|------|----------------|
| log10ws       | 0.59  |      | Crippen Method |
| logp          | 1.480 |      | Crippen Method |

## Pressure Dependent Properties

| Property code | Value         | Unit | Pressure [kPa] | Source       |
|---------------|---------------|------|----------------|--------------|
| tbrp          | 359.50 ± 1.50 | K    | 1.00           | NIST Webbook |

## Sources

|                 |                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C3179768&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3179768&amp;Units=SI</a> |
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                   |

Crippen Method:

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

## Legend

|                 |                                     |
|-----------------|-------------------------------------|
| <b>log10ws:</b> | Log10 of Water solubility in mol/l  |
| <b>logp:</b>    | Octanol/Water partition coefficient |
| <b>tbrp:</b>    | Boiling point at reduced pressure   |

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