# N-METHYL NICOTINAMIDE TMS

**Other names:** N-Methylnicotinamide, TMS
**Inchi:** InChI=1S/C10H16N2OSi/c1-11-10(13-14(2,3)4)9-6-5-7-12-8-9/h5-8H,1-4H3
**InchiKey:** DCVZXHVHFOITMY-UHFFFAOYSA-N
**Formula:** C10H16N2OSi
**SMILES:** CN=C(O[Si](C)(C)C)c1cccnc1
**Mol. weight [g/mol]:** 208.34

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -186.94 | kJ/mol | Cheméo Relay (1.0) |
| hvap | 61.66 | kJ/mol | Cheméo Relay (1.0) |
| ie | 9.26 | eV | Cheméo Relay (1.0) |
| log10ws | -1.09 | | Cheméo Relay (1.0) |
| logp | 2.309 | | Crippen Method |
| rinpol | 1431.00 | | NIST Webbook |
| tb | 518.78 | K | Cheméo Relay (1.0) |
| tf | 282.76 | K | Cheméo Relay (1.0) |

## Sources

**Cheméo Relay (1.0):**
**Cheméo Relay (1.0, beta):**
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U141337&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

**hf:** Enthalpy of formation at standard conditions
**hvap:** Enthalpy of vaporization at standard conditions
**ie:** Ionization energy

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|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tf:** | Normal melting (fusion) point |