# NIFLUMIC ACID TBDMS

**Other names:** Niflumic acid, tbdms derivative
**Inchi:** InChI=1S/C19H23F3N2O2Si/c1-18(2,3)27(4,5)26-17(25)15-10-7-11-23-16(15)24-14-9-6-
**InchiKey:** ABVMYTKMQZELRT-UHFFFAOYSA-N
**Formula:** C19H23F3N2O2Si
**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)c1cccnc1Nc1cccc(C(F)(F)F)c1
**Mol. weight [g/mol]:** 396.48

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hvap | 91.56 | kJ/mol | Cheméo Relay (1.0) |
| log10ws | -5.73 | | Cheméo Relay (1.0) |
| logp | 6.006 | | Crippen Method |
| rinpol | 2335.60 | | NIST Webbook |
| rinpol | 2335.60 | | NIST Webbook |
| tf | 406.60 | 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=U331798&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

**hvap:** Enthalpy of vaporization at standard conditions
**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**rinpol:** Non-polar retention indices
**tf:** Normal melting (fusion) point

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