

# 1,6-Dimethylcarbazole, N-trifluoroacetyl-

|                             |  |
|-----------------------------|--|
| <b>Other names:</b>         | 1,6-Dimethylcarbazole, TFA   |
| <b>Inchi:</b>               | InChI=1S/C16H12F3NO/c1-9-6-7-13-12(8-9)11-5-3-4-10(2)14(11)20(13)15(21)16(17,18) |
| <b>InchiKey:</b>            | RMZSBDTUIVORMV-UHFFFAOYSA-N  |
| <b>Formula:</b>             | C16H12F3NO   |
| <b>SMILES:</b>              | <chem>Cc1ccc2c(c1)c1cccc(C)c1n2C(=O)C(F)(F)F</chem>                              |
| <b>Mol. weight [g/mol]:</b> | 291.27   |

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -6.81   |        | Crippen Method |
| logp          | 4.614   |        | Crippen Method |
| mcvol         | 194.780 | ml/mol | McGowan Method |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                 |
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                         |
| <b>McGowan Method:</b> | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                     |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U328382&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U328382&amp;Units=SI</a> |

## Legend

|                 |                                     |
|-----------------|-------------------------------------|
| <b>log10ws:</b> | Log10 of Water solubility in mol/l  |
| <b>logp:</b>    | Octanol/Water partition coefficient |
| <b>mcvol:</b>   | McGowan's characteristic volume     |

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