

# 1-(p-Fluorophenyl)piperazine

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Other names:         | 1-(4-Fluorophenyl)piperazine<br>N-(4-Fluorophenyl)piperazine<br>Piperazine, 1-(4-fluorophenyl)-<br>1-(4'-fluorophenyl)piperazine |
| Inchi:               | InChI=1S/C10H13FN2/c11-9-1-3-10(4-2-9)13-7-5-12-6-8-13/h1-4,12H,5-8H2                                                            |
| InchiKey:            | AVJKDKWRVSSJPK-UHFFFAOYSA-N                                                                                                      |
| Formula:             | C10H13FN2                                                                                                                        |
| SMILES:              | Fc1ccc(N2CCNCC2)cc1                                                                                                              |
| Mol. weight [g/mol]: | 180.22                                                                                                                           |
| CAS:                 | 2252-63-3                                                                                                                        |

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -1.63   |        | Crippen Method |
| logp          | 1.235   |        | Crippen Method |
| mcvol         | 138.870 | ml/mol | McGowan Method |

## Sources

|                 |                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>                                   |
| Crippen Method: | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                           |
| McGowan Method: | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                       |
| NIST Webbook:   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C2252633&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2252633&amp;Units=SI</a> |

## Legend

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

Latest version available from:

<https://www.cheméo.com/cid/85-924-2/1-p-Fluorophenyl-piperazine.pdf>

Generated by Cheméo on 2025-12-24 00:39:06.755253861 +0000 UTC m=+6284944.285294542.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.