# 2-(2-Aminophenyl)benzimidazole

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|---|---|
| **Other names:** | 2-(o-Aminophenyl)benzimidazole |
| | Benzenamine, 2-(1H-benzimidazol-2-yl)- |
| | 2-(1H-Benzoimidazol-2-yl)-phenylamine |
| | 2-(1H-benzimidazol-2-yl)aniline |
| **Inchi:** | InChI=1S/C13H11N3/c14-10-6-2-1-5-9(10)13-15-11-7-3-4-8-12(11)16-13/h1-8H,14H2,(H |
| **InchiKey:** | YWNXHTNWOQHFRL-UHFFFAOYSA-N |
| **Formula:** | C13H11N3 |
| **SMILES:** | Nc1ccccc1-c1nc2ccccc2[nH]1 |
| **Mol. weight [g/mol]:** | 209.25 |
| **CAS:** | 5805-39-0 |

# Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.50 | | Crippen Method |
| logp | 2.330 | | Crippen Method |
| mcvol | 161.290 | ml/mol | McGowan Method |

# Sources

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C5805390&Units=SI |

# Legend

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

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