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Hydrogen Bonds and Biological Activities

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| Lipophilicit and | y of Hydro Secondary | carbons, / Amines | Ethers |
|--|--|--|--|
| n-Octanol/W | ater log P* | values | |
| (MedChem-Da | itabase. Dav | light Chem | ical |
| nformation S | vetems Mise | sion Vieio | |
| | y 3101113, 141133 | | GA, USA) |
| Compound | $\mathbf{X} = -\mathbf{C}\mathbf{H}_2 -$ | X = -O- | |
| Et-X-Et | 3.39 | 0.89 | -2.50 |
| | | | |
| Phe-X-Et | 3.72 | 2.51 | -1.21 |
| Phe-X-Et Phe-X-Phe | 3.72 4.14 | 2.51 4.21 | -1.21 +0.07 |
| Phe-X-Et Phe-X-Phe Compound | 3.72 4.14 X = -CH ₂ - | 2.51 4.21 X = -NH- | -1.21 +0.07 ∆ NH/CH ₂ |
| Phe-X-Et Phe-X-Phe Compound Et-X-Et | 3.72 4.14 X = -CH ₂ - 3.39 | 2.51 4.21 X = -NH- 0.58 | -1.21 +0.07 △ NH/CH ₂ -2.81 |
| Phe-X-Et Phe-X-Phe Compound Et-X-Et Phe-X-Et | 3.72 4.14 X = -CH ₂ - 3.39 3.72 | 2.51 4.21 X = -NH- 0.58 2.16 | -1.21 +0.07 △ NH/CH ₂ -2.81 -1.56 |





























































