

Supplementary material to

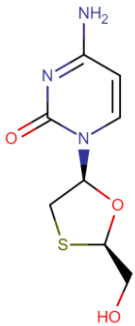
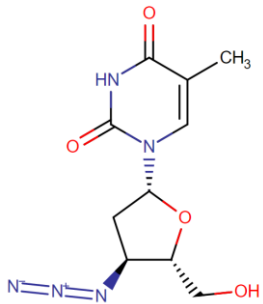
EVALUATION OF COMBINED RADIATION FOR THE TREATMENT OF LAMIVUDINE AND ZIDOVUDINE VIA AOP

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Supplementary Table 1 - Lamivudine and Zidovudine physicochemical properties [1].

Drug	Structure	Molecular formula	Molecular weight (g.mol ⁻¹)	pKa	Solubility in water (mg.mL ⁻¹)	Log kow
Lamivudine		C ₈ H ₁₁ N ₃ O ₃ S	229.26	14.29 (Strongest acidic) -0.16 (Strongest basic)	2.76	-9.54
Zidovudine		C ₁₀ H ₁₃ N ₅ O ₄	267.242	9.96 (Strongest acidic) -3 (Strongest basic)	16.3	0.05

REFERENCES

- [1] D.S. Wishart, C. Knox, A.C. Guo, S. Shrivastava, M. Hassanali, P. Stothard, Z. Chang, J. Woolsey, *Nucleic Acid Res.* 34 (2006), D668-72.

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