

References

- Abdullah Al Awadh A. (2022). Nucleotide and nucleoside-based drugs: past, present, and future. *Saudi journal of biological sciences*, 29(12), 103481.
<https://doi.org/10.1016/j.sjbs.2022.103481>
- Ami, E., & Ohri, H. (2021). Intriguing antiviral modified nucleosides: A retrospective view into the future treatment of COVID-19. *ACS Medicinal Chemistry Letters*, 12(4), 510–517.
<https://doi.org/10.1021/acsmmedchemlett.1c00070>
- But, T. Y., & Toy, P. H. (2007). The Mitsunobu reaction: Origin, mechanism, improvements, and applications. *Chemistry – An Asian Journal*, 2(11), 1340–1355.
<https://doi.org/10.1002/asia.200700182>
- CampusWeb, S. (n.d.). *Medicinal Chemistry Lab SNU LS Jeong*.
http://lsjeong.snu.ac.kr/pagegenerater.asp?catalogid=lsjeong&language=ko&pagecode=sub02_01
- Choi, W. J., Moon, H. R., Kim, H. O., Yoo, B. N., Lee, J. A., Shin, D. H., & Jeong, L. S. (2004). Preparative and stereoselective synthesis of the versatile intermediate for carbocyclic nucleosides: effects of the bulky protecting groups to enforce facial selectivity. *The Journal of Organic Chemistry*, 69(7), 2634–2636. <https://doi.org/10.1021/jo0356762>
- Chow, C. S. (2009). Modified nucleosides in biochemistry, biotechnology and medicine. *Journal of the American Chemical Society*, 131(11), 4169–4170. <https://doi.org/10.1021/ja901280d>
- Encyclopædia Britannica. (2014). *Nucleoside*. Encyclopædia Britannica.
<https://www.britannica.com/science/nucleoside>
- Farfán, P., Gómez, S., & Restrepo, A. (2019). Dissection of the mechanism of the Wittig reaction. *The Journal of Organic Chemistry*, 84(22), 14644–14658. <https://doi.org/10.1021/acs.joc.9b02224>
- Gevorg, Dr. S. (2022, September 23). *Mesylates and tosylates with practice problems*. Chemistry Steps.

<https://www.chemistrysteps.com/mesylates-and-tosylates-as-good-leaving-groups-with-practice-problems/>

Giagou, T., & Meyer, M. P. (2010). Mechanism of the Swern oxidation: significant deviations from transition state theory. *The Journal of Organic Chemistry*, 75(23), 8088–8099. <https://doi.org/10.1021/jo101636w>

Herz, K., Podewitz, M., Stöhr, L., Wang, D., Frey, W., Liedl, K. R., Sen, S., & Buchmeiser, M. R. (2019). Mechanism of olefin metathesis with neutral and cationic molybdenum imido alkylidene *n*-heterocyclic carbene complexes. *Journal of the American Chemical Society*, 141(20), 8264–8276. <https://doi.org/10.1021/jacs.9b02092>

Holbrook, S. Y. L., & Garneau-Tsodikova, S. (2017). What is medicinal chemistry? - Demystifying a rapidly evolving discipline!. *MedChemComm*, 8(9), 1739–1741. <https://doi.org/10.1039/c7md90030a>

Idiculla, R. R. (2017, December 18). *Protecting groups and their deprotection*. PPT. <https://www.slideshare.net/RoshenRejildiculla/protecting-groups-and-their-deprotection>

Ouellette, R. J., & Rawn, J. D. (2014). Alcohols. *Organic Chemistry*, 491–534. <https://doi.org/10.1016/b978-0-12-800780-8.00015-2>

Seoul National University. (n.d.). *Timeline - history - about snu*. <https://en.snu.ac.kr/about/history/timeline>

Török, B., Schäfer, C., & Kokel, A. (2022). Ring transformations by heterogeneous catalysis. *Heterogeneous Catalysis in Sustainable Synthesis*, 491–542. <https://doi.org/10.1016/b978-0-12-817825-6.00011-2>

Vorbrüggen, H., Lagoja, I. M., & Herdewijn, P. (2006). Synthesis of ribonucleosides by condensation using trimethylsilyl triflate. *Current Protocols in Nucleic Acid Chemistry*, 27(1). <https://doi.org/10.1002/0471142700.nc0113s27>

Wei, Y., Tinoco, A., Steck, V., Fasan, R., & Zhang, Y. (2017). Cyclopropanation via heme carbenes: Basic mechanism and effects of carbene substituent, protein axial ligand, and porphyrin

substitution. *Journal of the American Chemical Society*, 140(5), 1649–1662.

<https://doi.org/10.1021/jacs.7b09171>