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Discovery of reversible monoacylglycerol lipase inhibitors

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Propositions accompanying the thesis
Discovery of reversible monoacylglycerol lipase inhibitors

1. Monoacylglycerol lipase (MAGL) is a promising therapeutic target for the treatment of several disorders that currently lack appropriate therapies, such as neurodegenerative diseases or neuropathic pain.

Ana Gil-Ordóñez et al. (2018) Biochemical Pharmacology. 157, 18-32; This thesis, chapter 1.

2. Computational models and simulations based on good experimental results can speed up the drug discovery cycle.

C&EN, (2021), 28, 13–15; This thesis, chapter 2 & 3 & 4

3. Peripherally restricted MAGL inhibitors deserve more recognition.

This thesis, chapter 4 & 5.

4. Among several applications of activity-based protein profiling, competitive profiling of inhibitors is the most particularly powerful embodiment of the technology.

Micah J. Niphakis et al. (2014) Annu. Rev. Biochem. 83, 341-77; This thesis, chapter 2 & 5.

5. For medicinal chemists, high plasma protein binding is a mixed blessing.

This thesis, chapter 5.

6. Researchers in academia should always be encouraged and think about how to use their expertise to contribute to the drug discovery and development process.

K. C. Nicolaou et al. (2014) Angewandte Chemie. 53, 2-15

7. An oral antiviral agent would have enormous impact on this pandemic.

C&EN, (2021), Year in Pharma.

8. The “rule of five” is a rule of thumb to evaluate drug-likeness of a compound. Don't let it limit your creativity during drug discovery.

9. Do unto others as you would have them do unto you.