Supplementary Materials

Discovery of MAGL Inhibition by Lophine Derivatives: An Unexpected Finding from Chemiluminescent Assay Development

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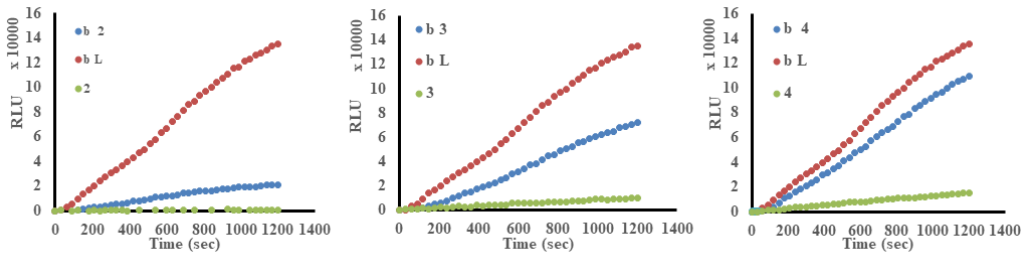


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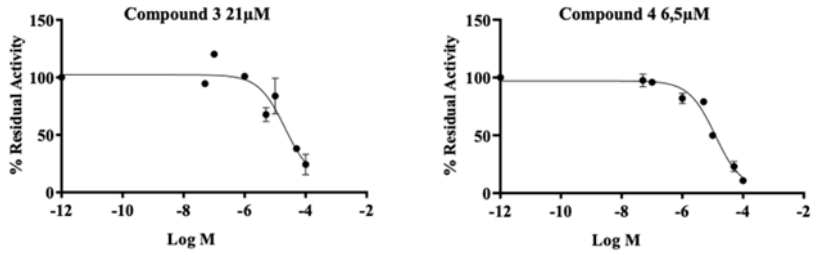


Figure S2. IC50 graph for compounds **3** and **4.**

Table 1. Kinetic parameters calculated for inhibition mechanism.

	NOI	3	4
Vmax	777 ± 40	907 ± 94	977 ±67
Km	17 ±4	79 ±21	99 ±14
Kcat	65	75	81

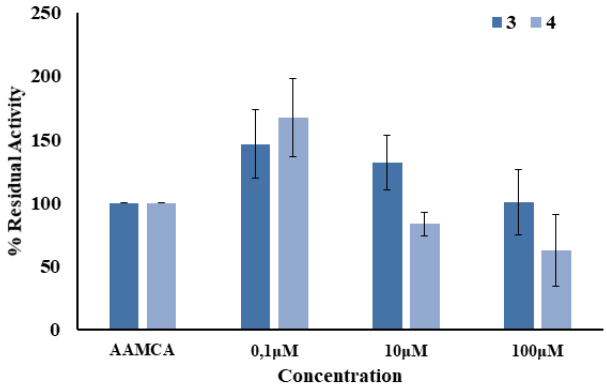


Figure S3. Results of preliminary experiment to assess selectivity of compounds **3** and **4,** performed on FAAH enzyme using the fluorogenic probe AAMCA.

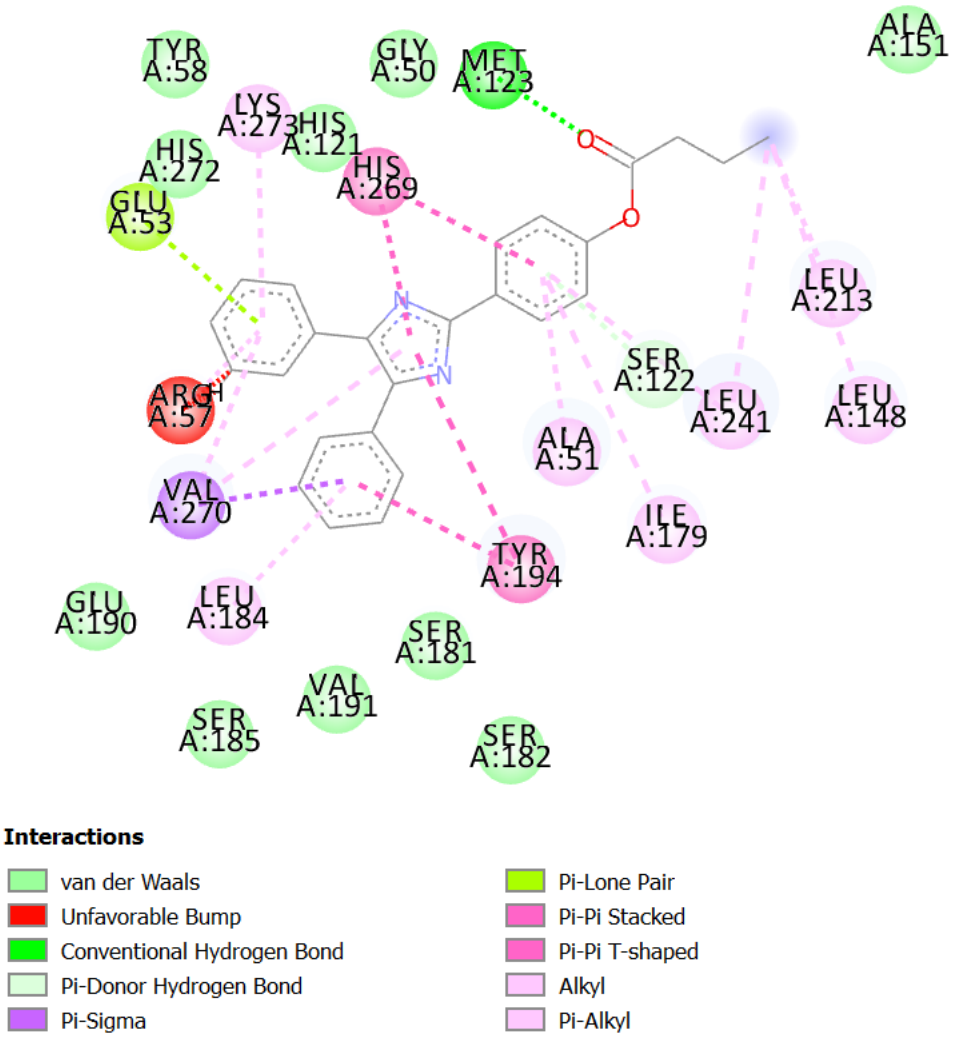


Figure S4. Two-dimensional representation of the interaction between molecule **2** and amino acids inside MAGL active site.

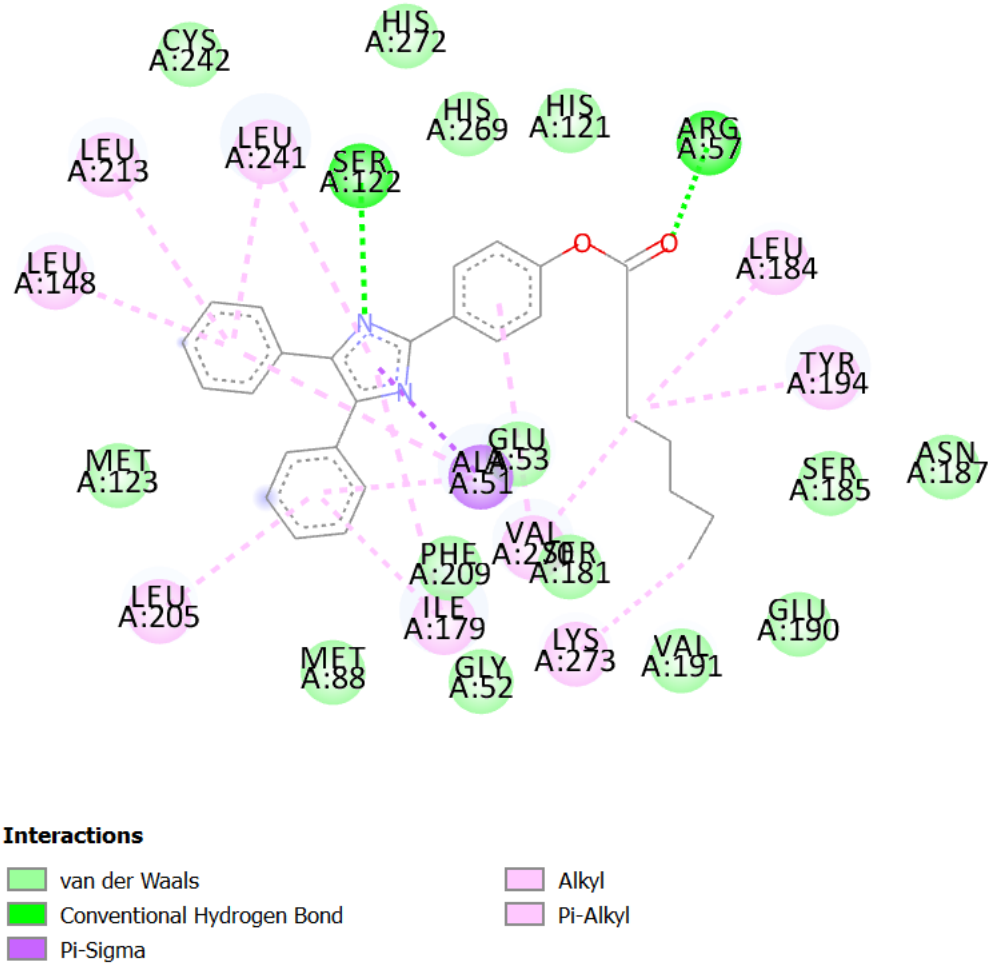


Figure S5. Two-dimensional representation of the interaction between molecule **3** and amino acids inside MAGL active site.

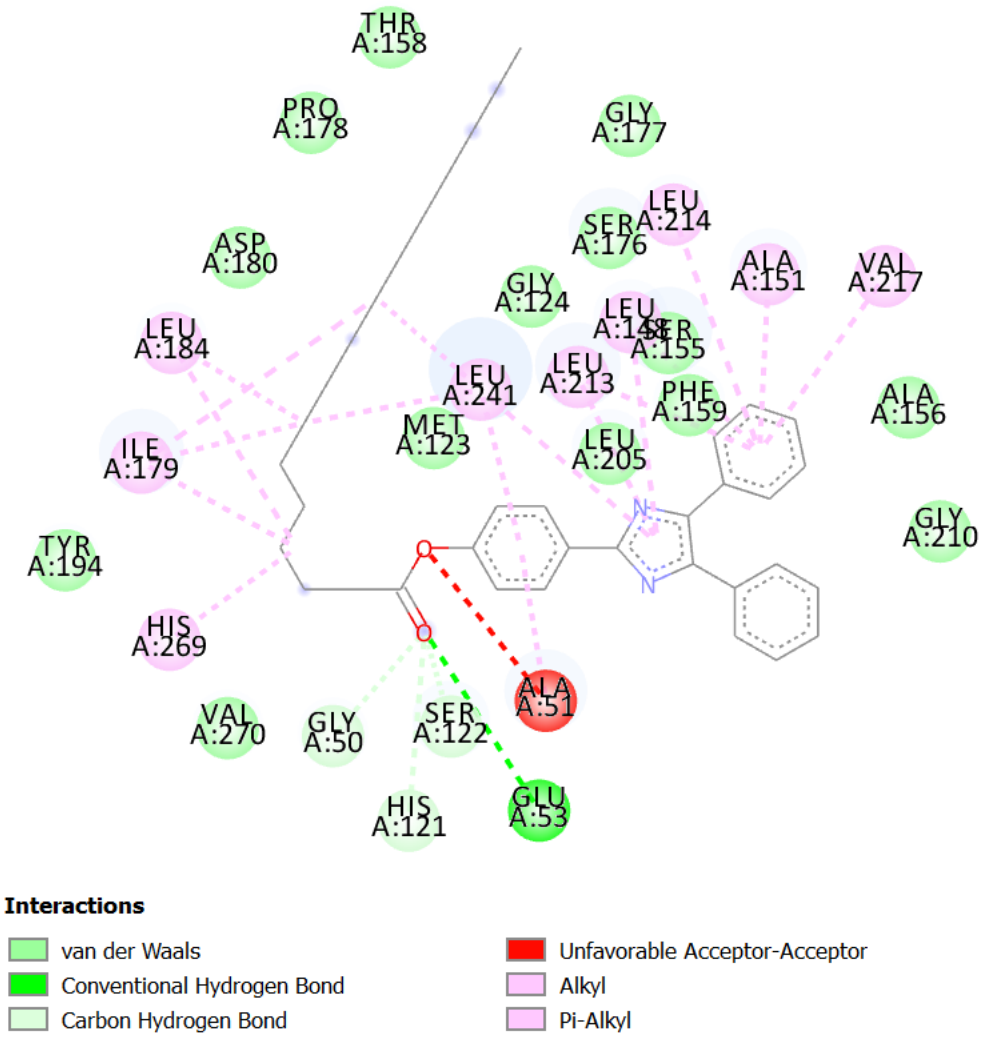


Figure S6. Two-dimensional representation of the interaction between molecule **4** and amino acids inside MAGL active site.