



Lei Ma

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Professional field: Medicinal Chemistry

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Profile

Lei Ma's research interests: AI based drug design and synthesis and new drug development.

Research Field

Medicinal Chemistry and Drug Development

Research results and selected published papers

1. Licheng Zhou, Yingfan Liang, Yi Huang, Guixiang Yang, Lulu Zheng, Jiamin Sun, Yang Li, Fuli Zhu, Hewen Qian, Rui Wang*, Lei Ma*. Design, Synthesis and Biological Evaluation of Diosgenin-indole Derivatives as Dual-functional Agents for the Treatment of Alzheimer's Disease. European Journal of Medicinal Chemistry, 2021, 219, 113426.
2. Guixiang Yang, Yan Huang, Lulu Zheng, Li Zhang, Lin Su, Yuhang Wu, Jie Li, Licheng Zhou, Jin Huang, Yun Tang*, Rui Wang*, Lei Ma*. Design, synthesis and evaluation of diosgenin carbamate derivatives as multitarget anti-Alzheimer's disease agents. European Journal of Medicinal Chemistry, 2020, 187, 111913.
3. Huanhuan Yin, Jingjing Dong, Yingchun Cai, Ximeng Shi, Hao Wang, Guixia Liu, Yun Tang*, Jianwen Liu*, Lei Ma*. Design, Synthesis and Biological Evaluation of a Library of Chalcones as Reversers of P-Glycoprotein-Mediated Multidrug Resistance. European Journal of Medicinal Chemistry, 2019, 180, 350-366.
4. Guixiang Yang, Songlan Ge, Yan Wu, Jin Huang, Shiliang Li*, Rui Wang*, Lei Ma*. Design, synthesis and biological evaluation of 3-piperazinecarboxylate sarsasapogenin derivatives as potential multifunctional anti-Alzheimer agents. European Journal of Medicinal Chemistry, 2018, 156, 206-215.