MIKLÓS LOVAS



YEAR OF BIRTH

2002

FORMER SZENT-GYÖRGYI PUPIL

yes

RESEARCH UNIT

University of Debrecen

SZENT-GYÖRGYI MENTOR

Anikó Borbás

JUNIOR MENTOR

Miklós Bege

SPECIALIZATION

pharmaceutical chemistry

SECONDARY SCHOOL

Tóth Árpád High School

NAME OF TEACHER

Veronika Novák

LANGUAGES

English/advanced Spanish/intermediate National Academy of Scientist Education, 4th year University of Debrecen,

Faculty of Pharmacy, 4th year

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Hydrogen sulfide is widely regarded as a toxic, foul-smelling chemical, but studies have identified it as the third gasotransmitter molecule. It has been found that it plays roles in various physiological processes, and has cardioprotective, pro-apoptotic and antiinflammatory properties. In my research project I aim to synthesize compounds that can release hydrogen-sulfide upon enzymatic hydrolysis, and study the cardioprotective properties of these compounds in ischemic rat hearts.

AMBITIONS AND CAREER GOALS

After graduating, I intend to take part in PhD education, participate in research, and also get to know different areas of pharmacy. I would like to do all this at least partly abroad, building international relations that help me grow professionally, and help building my career.

HONORS AND PRIZES

PUBLICATIONS

Tánczos, B., Vass, V., Szabó, E., **Lovas, M.**, Kattoub, Ghanem., Rasha., Bereczki, I., Borbás, A., Herczegh, P., Tósaki, Á. (2024) Effects of H2S-donor ascorbic acid derivative and ischemia/ reperfusion-induced injury in isolated rat hearts. **Eur J Pharm Sci. 6:** 195:106721.

Debreczeni, N., Hotzi, J., Bege, M., Lovas, M., Mező, E., Bereczki, I., Herczegh, P., Kiss, L., Borbás, A. (2023) N-fluor-alkilezett morfolinok – a nukleozidanalógok új osztálya. Chem. 202203248