

Carrier of active substance to increase permeability into the cell nucleus

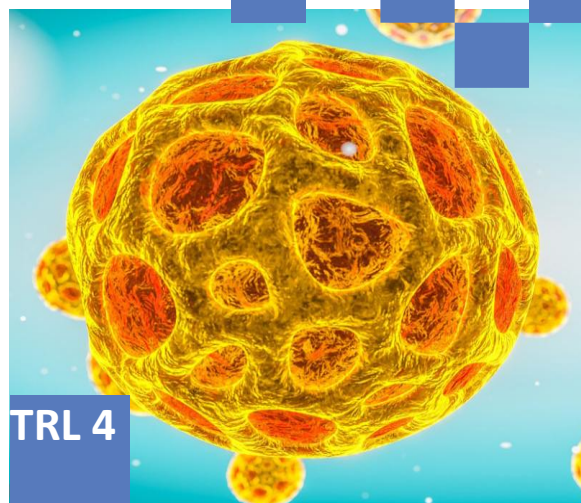
About technology

Nowadays, the use of cell membrane-penetrating peptides is part of clinical trials for the **treatment of dermatitis, cancer and cardiac failure**.

A **peptidomimetic** containing a fluorescent grouping in the sequence (5/6-carboxyfluorescein) may find application in the pharmaceutical industry and, in particular, **facilitate the penetration** of therapeutic substances used in anticancer therapy **into the nucleus cell**.

The active substance, which contains a fluorescent grouping in the sequence **(5/6-carboxyfluorescein)**, is intended for use in the pharmaceutical industry as an ingredient in drugs with a long time to **penetrate the nucleus cell**, making it possible to accelerate this process.

The **developed method** allows the introduction of the drug active substance in a more targeted manner, with little risk of destroying a healthy cell. The use of the innovative substance has the positive effect of accelerating the **cancer treatment** process.



Research Team

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IP Protection

The invention is the subject of patent protection:

- PL: Pat.238871

Implementation progress

TRL 4 –Technology validated in laboratory conditions

Cooperation opportunities

- Licensing agreement
- Transfer of ownership
- Spin off