Washington University in St. Louis
Office of Technology Management

OXONOL DYES WITH NEAR INFRARED FLUORESCENCE FOR IMPROVING BIOIMAGING

Berezin, Mikhail, Birman, Vladimir, Fuentes, Isaac

Hanford, Charles

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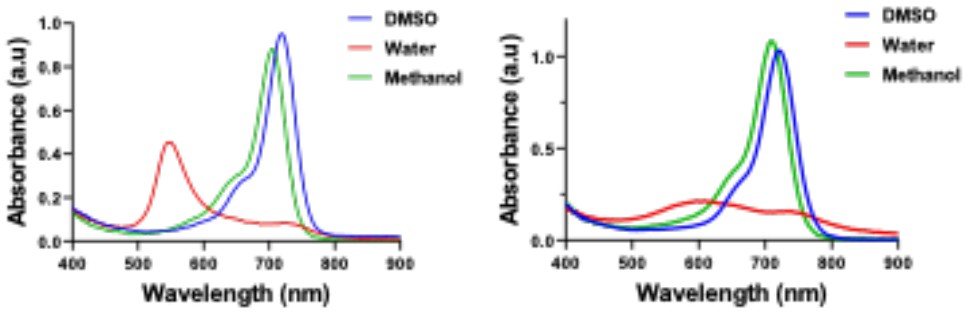
***Value proposition**: Fluorescent oxonol dyes that can be used to enhance bioimaging for the treatment of cancer.*

Technology Description

Researchers at Washington University in St. Louis have developed a new class of fluorescent oxonol dyes that exhibit absorption and emission in the near infrared region, making them extremely useful for bioimaging. Currently there is a limited number of near infrared fluorophores approved for bioimaging in humans. This new class of dyes will enable new applications of medicine and has the potential to function as theragnostic agents for anticancer treatments.



Stage of Research

Synthesis of prototype dyes has been achieved

Applications

Bioimaging

Key Advantages

- **Displays absorption and emission in the near infrared region**
- **Core structure of novel dye can potentially be derivatized to cover other wavelengths**

Patents

Patent application filed

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