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**Fundamental questions
Elemental answers**

NEW DYE FOR AMYLOID STAINING



Showcasing research from the laboratories of Professor Borys Ośmiałowski (Nicolaus Copernicus University, Poland) and Professor Joanna Olesiak-Bańska (Wrocław University of Science and Technology, Poland).

A novel *O,N,O*-coordinated organofluoroboron probe for amyloid detection: insight from experiment and theory

This work reports on a newly synthesized BF₃-based organoboron dye exhibiting good optical properties, including fluorescence reaching the NIR-I region, two-photon absorption in the NIR-II region, a broad excitation range and high increment of emission intensity upon binding to amyloids.

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Elizaveta F. Petrushevich is acknowledged for creation of the image.

As featured in:



See Robert Zaleśny, Borys Ośmiałowski, Joanna Olesiak-Bańska *et al.*, *Chem. Commun.*, 2025, **61**, 3990.