

# EES Catalysis

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Showcasing research from Professor Ping Wang's laboratory, Institute of Interdisciplinary Integrative Medicine Research, Shanghai University of Traditional Chinese Medicine, Shanghai, 201203, China.

A rationally engineered specific near-infrared fluorogenic substrate of human pancreatic lipase for functional imaging and inhibitor screening

A new highly selective NIR fluorogenic substrate (**7-STCFC**) was rationally designed and developed using a sequential screening strategy for human pancreatic lipase (hPL).

**7-STCFC** was utilized for the detection of endogenous PL in living cells and tissues, as well as for visual high-throughput screening of hPL inhibitors, making it a valuable tool in drug discovery and development for PL-related diseases.

As featured in:



See Ping Wang *et al.*, *Analyst*, 2023, 148, 2225.