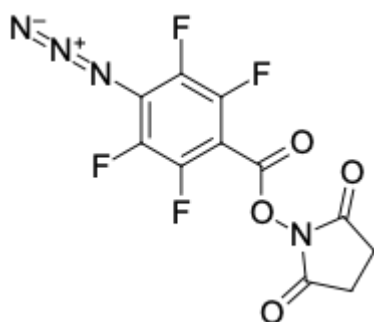


ATFB SE (N-Succinimidyl 4-Azidotetrafluorobenzoate)

<http://www.lumiprobe.com/p/n-succinimidyl-4-azidotetrafluorobenzoate-atfb-se>

N-Succinimidyl 4-Azido-2,3,5,6-tetrafluorobenzoate (ATFB SE, ATFB-OSu) is a photo-activatable linker used as a versatile labeling agent for investigating biological receptors and for direct coating the surfaces of carbon and organic-based polymers. Upon exposure to light (max. absorption at 258nm), ATFB produces stabilized nitrene intermediates that readily undergo insertion and addition reactions with nearby molecules in moderate to good yields.

This compound is an activated N-hydroxysuccinimide ester (NHS ester, SE) derivative that can react to almost any primary or secondary amine group of biomolecules, such as proteins and peptides, as well as to small-molecule amines.



Structure of N-Succinimidyl 4-Azidotetrafluorobenzoate (ATFB SE)

General properties

Appearance: white solid or crystalline powder

Molecular weight: 332.17

CAS number: 126695-58-7

Molecular formula: C₁₁H₄F₄N₄O₄

IUPAC name: (2,5-dioxopyrrolidin-1-yl) 4-azido-2,3,5,6-tetrafluorobenzoate

Solubility: DMSO DMF, ethyl acetate, chlorinated organics

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes.