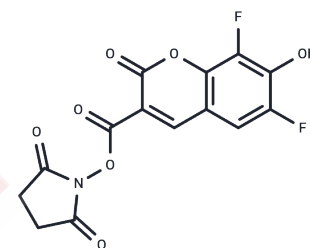


## PB succinimidyl ester

## Chemical Properties

CAS No. :	215868-33-0
Formula:	C14H7F2NO7
Molecular Weight:	339.21
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	PB succinimidyl ester is a reactive fluorophore with excitation and emission maxima of approximately 405 nm and 455 nm, respectively, PB succinimidyl ester is widely used for covalent labeling of biomolecules, including proteins and peptides, enabling sensitive fluorescence-based detection, imaging, and quantitative analysis in biochemical and cell-based assays.
Targets(IC50)	Others
In vitro	In biochemical labeling procedures, PB succinimidyl ester reacted with the free amino group of a modified siderophore to form the fluorescent conjugate TAFC-PB (excitation/emission: 405/455 nm). Subsequently, in live-cell imaging assays of <i>Aspergillus fumigatus</i> , this conjugate allowed for the subcellular localization of siderophore uptake and facilitated the differentiation between metabolically active and inactive hyphae based on fluorescence accumulation [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.948 mL	14.7401 mL	29.4803 mL
5 mM	0.5896 mL	2.948 mL	5.8961 mL
10 mM	0.2948 mL	1.474 mL	2.948 mL
50 mM	0.059 mL	0.2948 mL	0.5896 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Joachim Pfister, et al. Live-cell imaging with Aspergillus fumigatus-specific fluorescent siderophore conjugates. Sci Rep. 2020 Sep 23;10(1):15519.

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