

# Product Information

## Biotin/TFP PEG reagent, Biotin-PEG24-TFP ester, Purity 98%

Cat. No.: X24-03-YW0155

Size: 100 mg; 250 mg; 500 mg

CAS Number: 2055105-33-2



This product is for research use only and is not intended for diagnostic use.

### Product Information

Description	Biotin-PEG24-TFP ester is a specialized biotinylation reagent featuring a monodisperse PEG spacer and a TFP ester group. This reagent enables efficient coupling with primary amine (-NH2) compounds to create stable amide bonds.
Molecular Weight	1,520.7
Molecular Formula	C <sub>67</sub> H <sub>117</sub> F <sub>4</sub> N <sub>3</sub> O <sub>28</sub> S
Functional Group 1	Biotin
Functional Group 2	TFP
Functional Group 3	None
Reactive Group 1	Amine
Form	Solid
Purity	98%
Identity	Confirmed by NMR.
Applications	Biotin-PEG24-TFP ester finds application in various bioconjugation and labeling studies where the introduction of biotin functionality is desired. Its water-soluble PEG spacer enhances the solubility of biotinylated molecules in aqueous environments, making it suitable for applications such as protein purification, detection assays, and targeted drug delivery systems.
Storage	Store at -20°C