
Product Information Sheet

Ordering Information

Product Number:	4533
Product Name:	Alkyne Modifier II, NHS ester [PEG4 alkyne NHS ester]
Unit Size:	25 mg
Storage Conditions:	Freeze (<-15 °C), Minimize light exposure
Expiration Date:	12 months upon receiving

Chemical and Spectral Properties

Appearance:	Solid
Molecular Weight:	401.41
Soluble In:	DMF
Excitation Wavelength:	N/A
Emission Wavelength:	N/A

Application Notes

Alkyne Modifier II, NHS ester is an alkyne-containing reagent that reacts with primary amines at pH 7-9 forming a stable amide bond. The terminal alkyne group reacts with azides by a mechanism known as the Cu-catalyzed click reaction enabling efficient and specific conjugation of derivatized molecules in biological samples. It is widely used to introduce an alkynyl group into amino-modified oligonucleotides, peptides, proteins and other biological molecules. Compared to Alkyne Modifier I, NHS ester (4531), it adds a longer PEG4 spacer arm to the modified molecules.