

DNP-PEG4 NHS esterCatalog number: 2023
Unit size: 5 mg**Product Details**

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Solid
Molecular Weight	528.47
Soluble In	DMSO

Applications

Compared to the commonly used DNP-X SE (#2021), DNP-PEG4 NHS ester has much better water solubility. It is an excellent amine-reactive building block for developing DNP probes that can be recognized by anti-DNP antibodies. It might be also used as an excellent amine-reactive FRET quencher paired with Trp or Tyr. Its terminal NHS ester group readily reacts with primary amines to form a stable amide bond. The hydrophilic PEG linker increases enable increasing number of DNP groups conjugated to a biological molecule without causing precipitation.