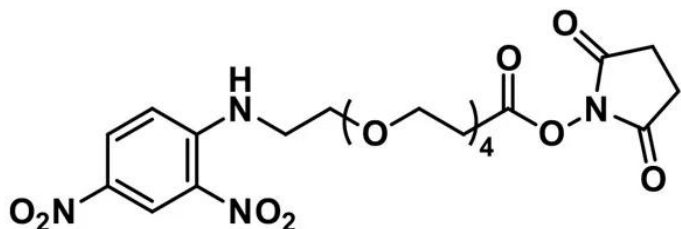




DNP-DPEG®₄-NHS ESTER

SKU: QBD-10347



DESCRIPTION

DNP-dPEG®₄-NHS ester, product number QBD-10347, consists of a short (16 atoms) single molecular weight, discrete-chain-length (dPEG®) linker functionalized with a 2,4-dinitrophenyl group on one end and a N-hydroxysuccinimidyl (NHS) ester on the other. The NHS ester reacts optimally with free amines in the pH 7.0 – 7.5 range. The fluorescent label 2,4-dinitrophenol, also known as nitrophen, when attached to a non-immunogenic PEG spacer, functions as a hapten. Due to its strong immune response, it may be useful in designing vaccines or in other immunotherapeutic applications.

SPECIFICATIONS

CAS Number	858126-78-0
Molecular Weight	528.47; single compound
Chemical Formula	C ₂₁ H ₂₈ N ₄ O ₁₂
Purity	> 98%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetonitrile, DMAC, DMSO or water.
Spacers	dPEG® Spacer is 16 atoms and 18.0 Å

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Storage Instructions

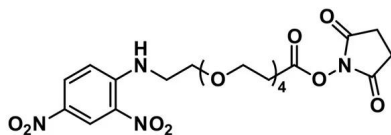
-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure.

Shipping Instructions Ambient

DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

GALLERY IMAGES



For research use only. Not intended for therapeutic or diagnostic use in animals or humans.