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## Product Data Sheet

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Product Name: PEP azide

Cat. No.: GC13233

**Chemical Properties**

Cas. No.

Chemical Name N-[2-[2-(2-azidoethoxy)ethoxy]ethyl]-4-[4-(2-pyren-1-ylethynyl)phenyl]butanamide

SMILES C1=CC2=C3C(=C1)C=CC4=C(C=CC(=C43)C=C2)C#CC5=CC=C(C=C5)CCCC(=O)NCCOCCOCCN=[N+]=[N-]Formula  $C_{34}H_{32}N_4O_3$  M.Wt 544.64Solubility soluble in dichloromethane, 24 months after receipt at -20°C in the dark.  
chloroform, moderately soluble in Storage Transportation: at room temperature for up to 3  
DMSO, DMF, acetonitrile weeks. Avoid prolonged exposure to light.

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice  
Condition upon request.Structure **Background**

Phenylethynylpyrene (PEP) fluorophore is a polyaromatic hydrocarbon label with high sensitivity to microenvironment. Similarly to pyrene, PEP dye readily forms excimers. However, PEP fluorescence is more red-shifted PEP can be used as microenvironment probe, and as a label for assays based on excimer formation. This reagent contains triethyleneglycol linker to facilitate dissolution of non-polar PEP dye in organo-aqueous labeling reaction mixtures. With this azide, and Click Chemistry, it is easy to turn any molecule bearing alkyne into PEP-labeled probe.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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