

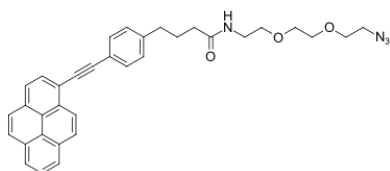
AF 384 (PEP) azide

<http://www.lumiprobe.com/p/pep-azide>

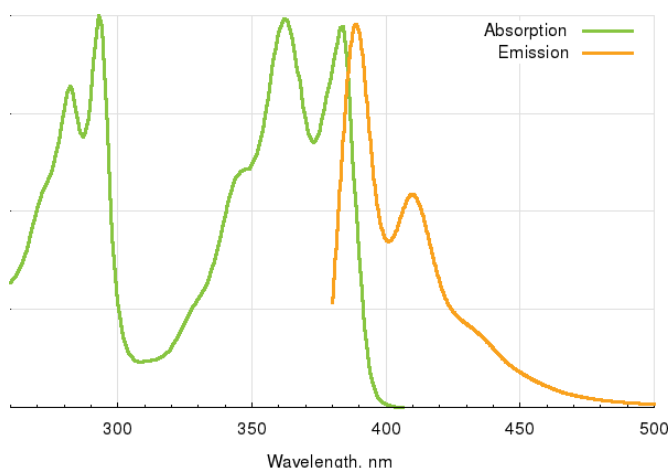
Phenylethynylpyrene (PEP) fluorophore is a polyaromatic hydrocarbon label with high sensitivity to microenvironment. Similarly to [pyrene](#), PEP dye readily forms excimers. However, AF 384 (PEP) fluorescence is more red-shifted

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.



Phenylethynylpyrene AF 384 (PEP) azide structure



Spectra of AF 384 (PEP) (phenylethynylpyrene) in ethanol

General properties

Appearance:	off white / yellowish solid
Molecular weight:	544.64
CAS number:	1807521-02-3
Molecular formula:	C ₃₄ H ₃₂ N ₄ O ₃
Solubility:	soluble in dichloromethane, chloroform, moderately soluble in DMSO, DMF, acetonitrile
Quality control:	NMR ¹ H (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	293; 362; 384
ε, L·mol ⁻¹ ·cm ⁻¹ :	46300
Emission maximum, nm:	389
Fluorescence quantum yield:	0.64