

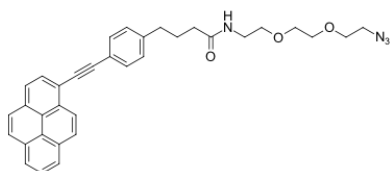
AF 384 (PEP) azide

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

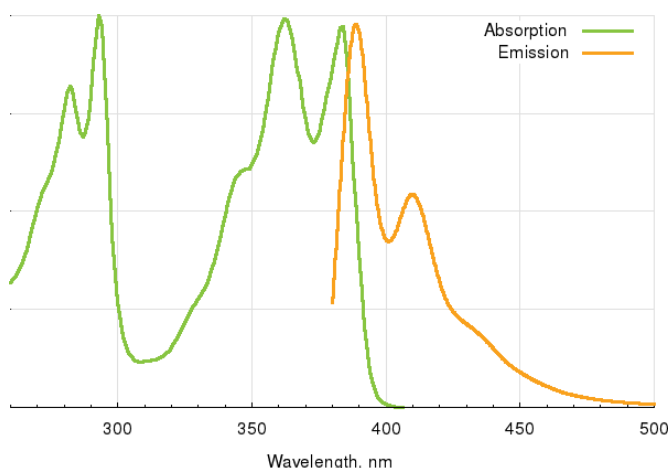
Phenylethynylpyrene (PEP) fluorophore is a polyaromatic hydrocarbon label with high sensitivity to microenvironment. Similarly to [pyrene](#), PEP dye readily forms excimers. However, AF 384 (PEP) fluorescence is more red-shifted

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.

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