**Data Sheet** (30.05.2014)

# Eterneon-394/507 Azide

## yellow-green fluorescent dye

*Click Chemistry*

| Cat.-No. | Amount |
|---|---|
| mi-C1014S | 1 mg |
| mi-C1014M | 5 mg |

Only for *in vitro* use!
For research only!

**Molecular weight:** 538.73 g/ mol

**Purity:** >97 %

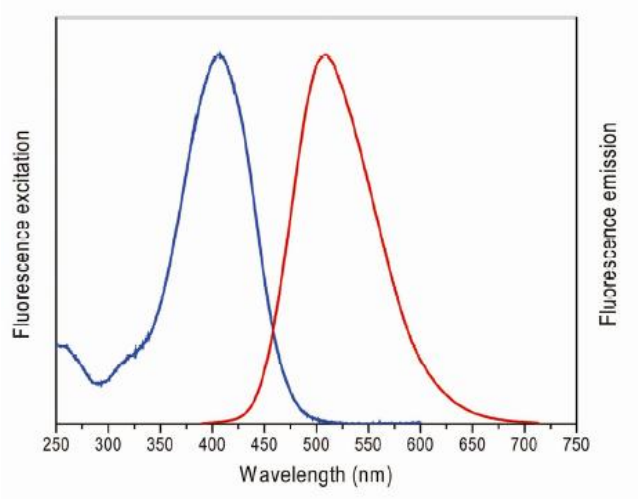
**Appearance**: yellow-orange solid

**Solubility:** DMSO, DMF, DCM, Water/Tween® 20 (0.5 %), PBS

**Storage conditions:** store at 4 °C

**Spectroscopic data**

Excitation maximum: Ex = 394 nm
Emission maximum: Em = 507 nm
Extinction coefficient: 30000 $cm^{-1}$ $M^{-1}$




Excitation and emission spectrum of Eterneon-394/507

**Description**

The Click reaction is a copper(I)-catalyzed azide-alkyne cycloaddition that permits DNA labeling with very high efficiency. Alkyne-modified DNA can be generated by PCR using alkyne-containing nucleotides (mi-N300X). These alkyne groups allow the attachment of fluorescent and non-fluorescent azides to the PCR product by click chemistry (mi-Click Chemistry Manual, mi-C1101 CuBr, mi-C1102 TBTA-Ligand, mi-C1103 DMSO/t–Butanol Solvent). Custom synthesized oligos which are already alkyne-modified can be ordered from metabion and can be labeled with the marker azides as well.