

Data Sheet (01.02.2011)

Eterneon-480/635 Azide

orange-red fluorescent dye

Click Chemistry

Cat.-No.	Amount
mi-C1015S	1 mg
mi-C1015M	5 mg

Only for *in vitro* use!

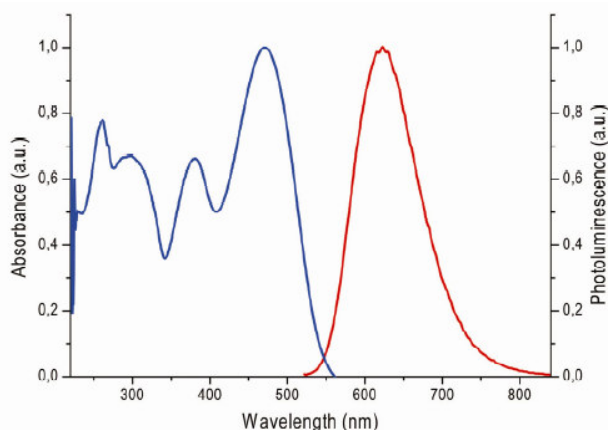
For research only!

Spectroscopic data

Excitation maximum: Ex = 480 nm

Emission maximum: Em = 635 nm

Extinction coefficient: 29900 cm⁻¹ M⁻¹



Excitation and emission spectrum of Eterneon-480/635

Molecular weight: 626.79 g/ mol

Purity: >97 %

Appearance: orange solid

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

Storage conditions: store at 4 °C

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.