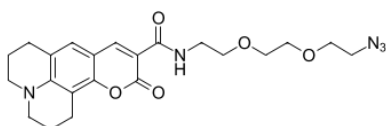


Coumarin 343 azide

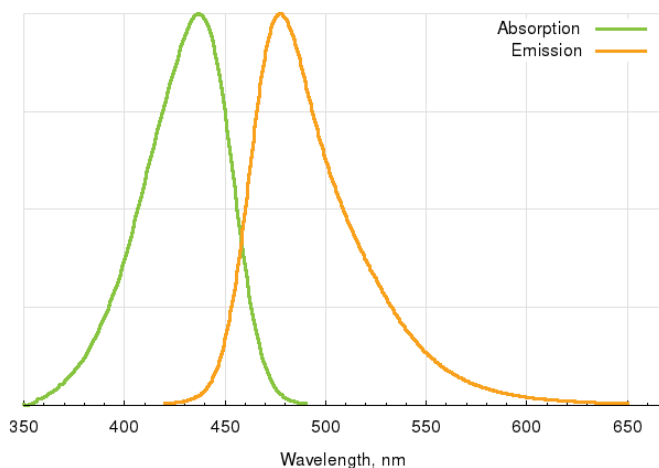
<http://www.lumiprobe.com/p/coumarin-343-azide>

This product will be discontinued soon in favor of [Coumarin 343 X azide](#). We may still have some material in stock (please see availability above).

This greenish-blue emitting fluorophore can be used as a FRET donor for FAM. Azide derivative is suitable for click chemistry.



Coumarin 343 azide structure



Coumarin 343 absorption and emission spectra

General properties

Appearance:	yellow powder
Molecular weight:	441.48
CAS number:	1807503-82-7
Molecular formula:	C ₂₂ H ₂₇ N ₅ O ₅
Solubility:	Good in organic solvents (DCM, chloroform, DMF, DMSO, MeCN, alcohols), poor in water
Quality control:	NMR ¹ H (95%) TLC, functional testing
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:	437
ε, L·mol ⁻¹ ·cm ⁻¹ :	39000
Emission maximum, nm:	477
Fluorescence quantum yield:	0.63
CF ₂₆₀ :	0.29
CF ₂₈₀ :	0.24