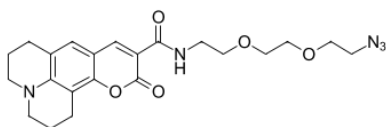


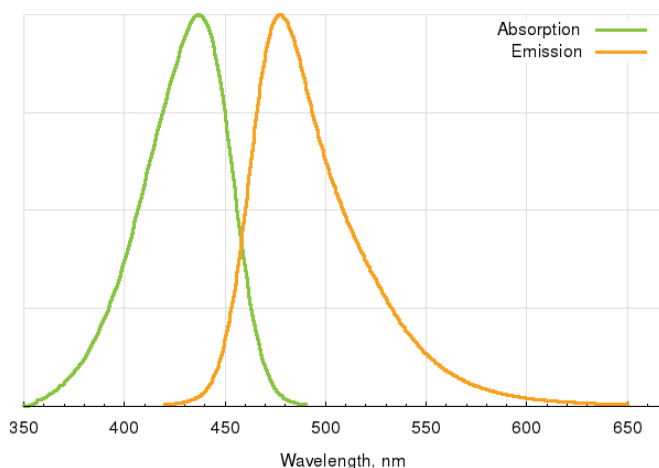
## Coumarin 343 azide

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 <sub>22</sub> H <sub>27</sub> N <sub>5</sub> O <sub>5</sub>
Solubility:	Good in organic solvents (DCM, chloroform, DMF, DMSO, MeCN, alcohols), poor in water
Quality control:	NMR <sup>1</sup> 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.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm:	437
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	39000
Emission maximum, nm:	477
Fluorescence quantum yield:	0.63
CF <sub>260</sub> :	0.29
CF <sub>280</sub> :	0.24