

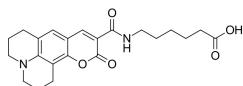
## Coumarin 343 X carboxylic acid (A270131)

### Specifications:

Name:	Coumarin 343 X carboxylic acid
Description:	Coumarin 343 is a blue emitting fluorophore used as a laser dye. The fluorophore can serve as a FRET donor for FAM (fluorescein).
Absorption Maxima:	437 nm
Extinction Coefficient:	39000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	477 nm
Fluorescence Quantum Yield:	0.63
CAS Number:	946123-11-1
CF <sub>260</sub> :	0.29
CF <sub>280</sub> :	0.24
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>22</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	398.45 kDa
Product Form:	Yellow crystals.
Solubility:	Well soluble in DMF and DMSO. Moderately soluble in DCM, DCE, and EtOAc. Insoluble in diethyl ether.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

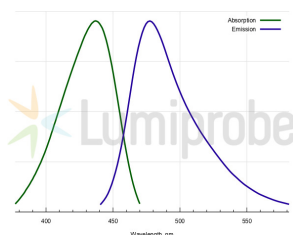
### Images:

Structure of Coumarin 343 X carboxylic acid.



## Coumarin 343 X carboxylic acid (A270131)

Images continued:



Absorption and emission spectra of Coumarin 343.