

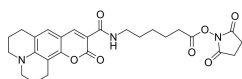
Coumarin 343 X NHS ester (A270132)

Specifications:

Name:	Coumarin 343 X NHS ester
Description:	Blue emitting Coumarin 343 dye can form a FRET pair with fluorescein (FAM). An amine reactive form, activated NHS ester. This amine-reactive NHS ester contains an aminohexanoyl linker between the fluorophore, and the reactive group. This linker provides better solubility and spatial separation between the fluorophore, and the target molecule being labeled. This reagent can be used to design FRET based assays with FAM as acceptor, and to construct systems which harvest blue light energy.
Absorption Maxima:	437 nm
Extinction Coefficient:	39000 M ⁻¹ cm ⁻¹
Emission Maxima:	477 nm
Fluorescence Quantum Yield:	0.63
CAS Number:	946123-12-2
CF ₂₆₀ :	0.29
CF ₂₈₀ :	0.24
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₆ H ₂₉ N ₃ O ₇
Molecular Weight:	495.52 kDa
Product Form:	Yellow solid.
Solubility:	Good in DCM, DMSO, and DMF.
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.

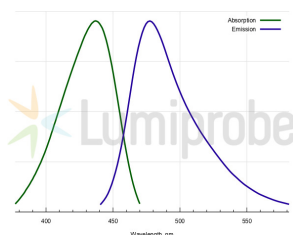
Images:

Structure of Coumarin 343 X NHS ester.



Coumarin 343 X NHS ester (A270132)

Images continued:



Absorption and emission spectra of Coumarin 343.