

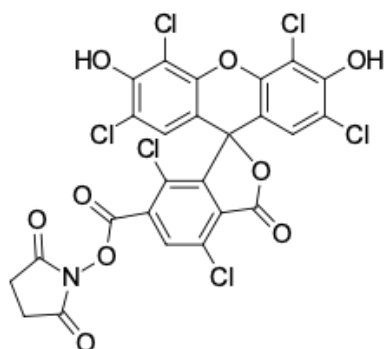
## HEX NHS ester, 6-isomer

<http://www.lumiprobe.com/p/hex-nhs-ester-6>

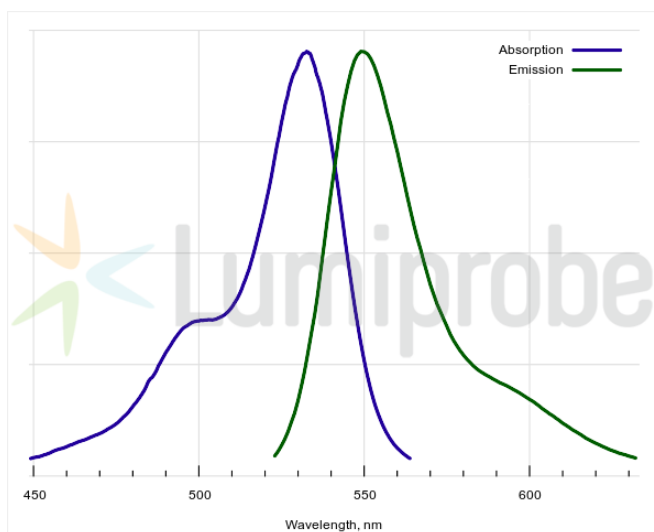
Activated NHS-ester of HEX (Hexachlorofluorescein) dye, a pure 6-isomer. This NHS ester is an amine-reactive dye for labeling of amine groups in proteins, peptides, amino-modified oligos, and other target molecules.

HEX is a hexachlorinated derivate of the fluorescent dye fluorescein. HEX exhibits an excitation peak at 533 nm and an emission peak at 549 in the green-yellow area. It can serve as a substitute for JOE, BDP™ 530/550, VIC™ because of their similar spectral characteristics.

HEX NHS ester is widely used in nucleic acid sequencing, PCR/qPCR, and related research.



**Structure of HEX NHS ester, 6-isomer**



**Absorption and emission spectra of HEX**

### General properties

Appearance:	light orange powder
Molecular weight:	680.06
CAS number:	2129651-79-0
Molecular formula:	C <sub>25</sub> H <sub>9</sub> Cl <sub>6</sub> NO <sub>9</sub>
Solubility:	very soluble in DMSO, DMF
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. Avoid prolonged exposure to light.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

### Spectral properties

Excitation/absorption maximum, nm:	533
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	87770
Emission maximum, nm:	549
Fluorescence quantum yield:	0.57
CF <sub>260</sub> :	0.30
CF <sub>280</sub> :	0.13