

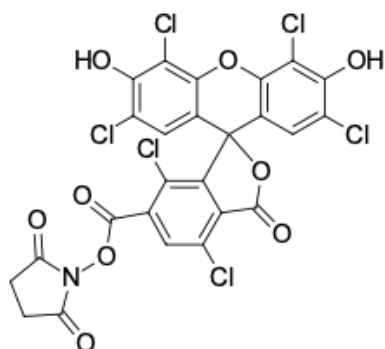
HEX NHS ester, 6-isomer

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

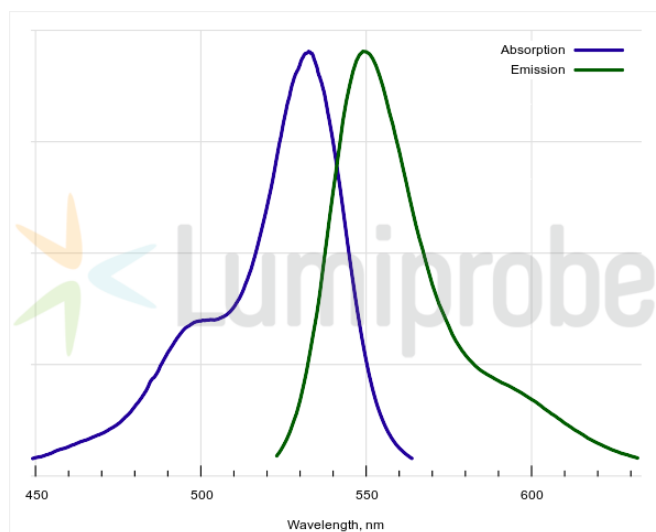
Activated NHS-ester of HEX (Hexachlorofluorescein) dye, a pure 6-isomer. This NHS ester is an amine-reactive dye for labeling of amine groups in proteins, peptides, amino-modified oligos, and other target molecules.

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, BODIPY™ 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 ₂₅ H ₉ Cl ₆ NO ₉
Solubility:	very soluble in DMSO, DMF
Quality control:	NMR ¹ 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.

Spectral properties

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

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