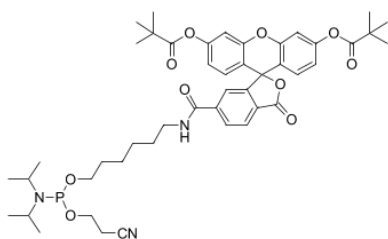


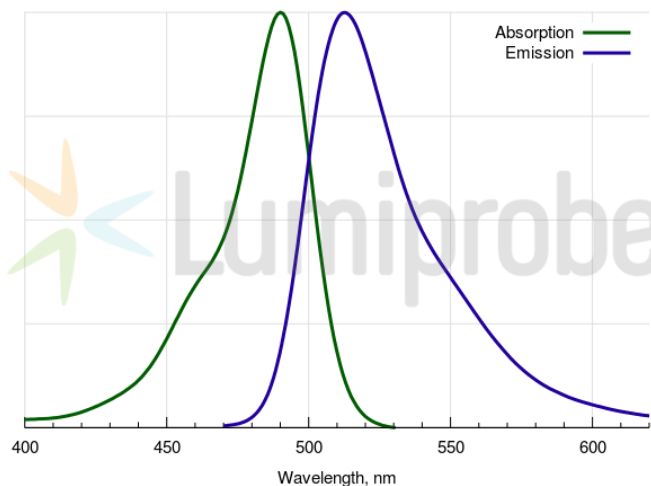
FAM Phosphoramidite, 6-Isomer

Standard fluorescein (FAM) phosphoramidite for 5'-terminal oligonucleotide labeling, high isomeric purity single isomer. This highly purified amidite reagent ensures excellent coupling results with various synthesizers.

Samples and special offers are available for oligo manufacturers. Contact us for bulk supplies of this reagent.



6-FAM phosphoramidite structure



FAM absorbance and emission spectra

General properties

Appearance:	white foam
Molecular weight:	843.94
CAS number:	204697-37-0
Molecular formula:	C ₄₆ H ₅₈ N ₃ O ₁₀ P
Solubility:	Good solubility in acetonitrile and DCM.
Quality control:	NMR ¹ H and ³¹ P, HPLC-MS (95+%), isomeric purity > 97%
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 2 weeks. Avoid prolonged exposure to light. Desiccate.
TN VED Code:	3822000000

Spectral properties

Excitation maximum, nm:	494
ε, L·mol ⁻¹ ·cm ⁻¹ :	75000
Emission maximum, nm:	520
Fluorescence quantum yield:	0.9
CF ₂₆₀ :	0.20
CF ₂₈₀ :	0.17

Oligo synthesis details

Coupling conditions:	coupling time 10 min
Cleavage conditions:	ammonia, 2 h at room temperature
Deprotection conditions:	identical to protected nucleobases; when AMA is used, deblock with ammonia alone for 30 min, then add methylamine