

## Eosin-5-isothiocyanate

Eosin-5-isothiocyanate is a good photosensitizer and can be used to selectively label amines. It has a quantum yield of 0.



### Product attributes

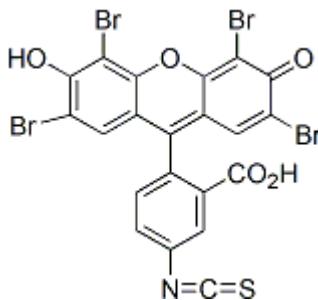
Excitation/Emission

568/595 nm (pH 9)

## Product Description

Eosin-5-isothiocyanate is a good photosensitizer and can be used to selectively label amines. It has a quantum yield of 0.57 for singlet oxygen generation, which makes it useful for photoconversion of electron-rich materials such as diaminobenzidine (DAB) or fluorescent dyes into highly electron-dense materials for high resolution electron microscopy studies (1,2). Additionally, eosin is a good fluorescence acceptor for fluorescein (FAM), dansyl and coumarin dyes in fluorescence resonance energy transfer (FRET).

- $\lambda_{Ex}/\lambda_{Em}$  (pH 9) = 521/544 nm
- $\epsilon$  = 95,000
- Orange red solid soluble in DMF or DMSO
- Store at -20°C and protect from light
- $C_{21}H_7Br_4NO_5S$
- MW: 704.96



## References

1. J Cell Biol 126, 901 (1994).
2. J Cell Biol 126, 877 (1994).

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