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CPM

CPM is a widely used blue fluorescent thiol-reactive dye that is essentially nonfluorescent until it reacts with thiols, making it possible to quantify thiols without a separation step.



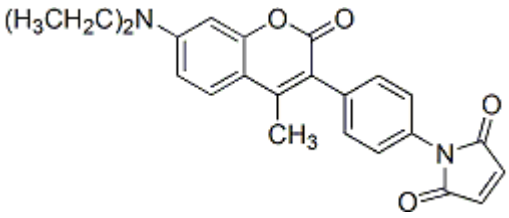
Product attributes

Excitation/Emission	384/469 nm (reaction product)
CAS number	76877-33-3

Product Description

CPM (full name: 7-diethylamino-3-(4'-maleimidylphenyl)-4-methylcoumarin) is probably the most widely used blue fluorescent thiol-reactive dye. This maleimide derivative of coumarin is essentially nonfluorescent until it reacts with thiols, making it possible to quantify thiols without a separation step. CPM is a good energy acceptor from tryptophan and a good energy donor to fluorescein. Please also see our MTS products.

- Yellow solid soluble in anhydrous DMSO
- MW: 402.45
- [76877-33-3]



References

1. Biochemistry 22, 5369 (1983).
2. Anal Lett 18, 393 (1985).
3. J Biol Chem 265, 14796 (1990).

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