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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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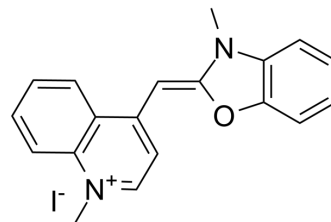
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Oxazole yellow

Cat. No.:	HY-117445
CAS No.:	143413-86-9
Molecular Formula:	C ₁₉ H ₁₇ IN ₂ O
Molecular Weight:	416.26
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Oxazole yellow is a cyanine dye composed of benzoxazole and quinoline rings connected by a linker. It is almost non-luminescent in water, but its green fluorescence is significantly enhanced after intercalation in double-stranded DNA. Oxazole yellow can be used to detect cell apoptosis^{[1][2][3]}.

REFERENCES

- [1]. Jin C, et al. Molecular Dynamics of Oxazole Yellow Dye in its Ground and First Excited Electronic States in Solution and when Intercalated in dsDNA[J]. The Journal of Physical Chemistry B, 2017, 121(44): 10242-10248.
- [2]. Zhu H, et al. High-sensitivity capillary electrophoresis of double-stranded DNA fragments using monomeric and dimeric fluorescent intercalating dyes[J]. Analytical chemistry, 1994, 66(13): 1941-1948.
- [3]. Eriksson M, et al. Binding of intercalating and groove-binding cyanine dyes to bacteriophage T5[J]. The journal of physical chemistry B, 2007, 111(5): 1139-1148.

Caution: Product has not been fully validated for medical applications. For research use only.

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