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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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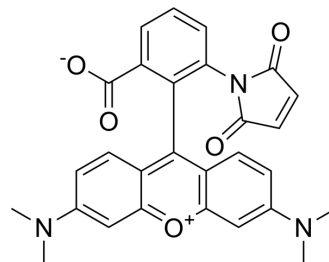
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Tetramethylrhodamine-6-maleimide

Cat. No.:	HY-D0152
CAS No.:	174568-68-4
Molecular Formula:	C ₂₈ H ₂₃ N ₃ O ₅
Molecular Weight:	481.5
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tetramethylrhodamine-6-maleimide is a fluorescent dye with a reactive sulfhydryl-specific moiety is covalently coupled to this cysteine. Tetramethylrhodamine-6-maleimide can be used as labels to detect local protein motions of the fully active Na⁺/K⁺-ATPase in real time^{[1][2]}.

REFERENCES

- [1]. Geibel S, et al. Conformational dynamics of the Na⁺/K⁺-ATPase probed by voltage clamp fluorometry. Proc Natl Acad Sci U S A. 2003 Feb 4;100(3):964-9.
- [2]. Loo DD, et al. Conformational changes couple Na⁺ and glucose transport. Proc Natl Acad Sci U S A. 1998 Jun 23;95(13):7789-94.

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

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