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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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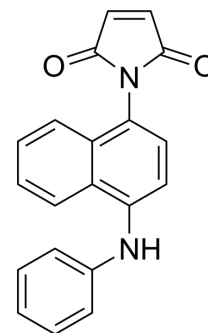
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N-(4-Anilino-1-naphthyl)maleimide

Cat. No.:	HY-D1526
CAS No.:	50539-45-2
Molecular Formula:	C ₂₀ H ₁₄ N ₂ O ₂
Molecular Weight:	314.34
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	N-(4-Anilino-1-naphthyl)maleimide is a fluorescent probe that can be used to detect thiol groups in proteins. N-(4-Anilino-1-naphthyl)maleimide reacts with thiol groups and immediately produces a stable fluorescent compound with the λ_{ex} =355 nm, λ_{em} =448 nm ^[1] .
In Vitro	N-(4-Anilino-1-naphthyl)maleimide can be used to label rabbit muscle fibers and its fluorescence spectrum reflects their conformational changes between relaxed or contracted states ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. T Honda, et al. Characterization of the reactivity of sulphhydryl groups in tryptophanase by a dual-monitoring high-performance liquid chromatographic system with a site-directed fluorescent reagent. *J Chromatogr.* 1986 Dec 26;371:353-60.

[2]. S Chaen, et al. Fluorescence properties and contraction characteristics of ANM (N-(1-anilino-4-naphthyl)maleimide)-labeled rabbit psoas muscle fibers. *J Biochem.* 1985 Oct;98(4):939-47.

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

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