

Product Information

4-Chloro-1-naphthol tablet

Catalog Number **C6788**
Storage Temperature $-20\text{ }^{\circ}\text{C}$

CAS RN 604-44-4

Product Description

Each tablet contains 30 mg of 4-Chloro-1-Naphthol (4CN), a horseradish peroxidase substrate. It produces an insoluble end product that is blue in color and can be observed visually.¹⁻³ The tablets (5, 50, or 100 tablets per box) are individually foil wrapped for ease of use, storage, and safety. Custom packaging and bulk purchase information available upon request.

4CN is suitable for use in immunoblotting procedures^{4,5} and has also been utilized in dot blot procedures.⁶⁻⁹ Dot ELISA procedures that use 4CN have been reported.¹⁰⁻¹¹ It may be used in immunocytochemistry analysis.¹²

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Triethanolamine buffered saline preparation – To prepare 1 L of Triethanolamine buffered saline, add 7.5 g of NaCl (Catalog Number S9625), 2.8 ml of triethanolamine (Catalog Number T1377), and 17 ml of 1 M HCl to ~800 ml of water. Adjust the pH to 7.5 if necessary and bring the final volume to 1 L with water.

Substrate Solution Preparation – Allow tablet to reach room temperature before use. Dissolve 1 tablet in 10 ml of methanol. Add 2 ml of methanol stock solution to 10 ml of triethanolamine buffered saline, pH 7.5. Add 5 μl of fresh 30% hydrogen peroxide (Catalog Number H1009) immediately prior to use.

Storage/Stability

Store the tablets at $-20\text{ }^{\circ}\text{C}$. Protect from heat, light, and moisture.

References

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