Product Information

3-Amino-9-ethylcarbazole

Tablets

A6926

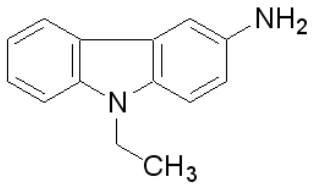
Product Description

CAS Number: 132-32-1

Synonyms: AEC, 9-ethylcarbazol-3-amine

Molecular Weight: 210.27

Molecular Formula: $C_{14}H_{14}N_2$



3-Amino-9-ethylcarbazole (AEC) is a chromogen that is suitable for use in immunoblotting and immunohistochemical staining procedures which utilize horseradish peroxidase (HRP) conjugates. The reaction of AEC with HRP produces an insoluble end product that is red in color and can be observed visually, in 0.05 M acetate buffer at pH 5.[1,2]
An aqueous mounting medium should be used with this product, as the end product is alcohol-soluble.

Each A6926 tablet contains 20 mg of AEC substrate. Several theses[3] and dissertations[4-16] have cited use of product A6926 in their protocols.

Precautions and Disclaimer

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.

Storage/Stability

This product may be stored at room temperature.

Solubility

This product is tested for solubility whereby one tablet is dissolved in 5 mL of DMF (*N*,*N*-dimethylformamide).

Usage

For use as an HRP substrate

- Dissolve 1 tablet in 2.5 mL of DMF.
- Add 2.5 mL of the AEC/DMF solution to 47.5 mL of 50 mM acetate buffer (pH 5.0), with stirring.
- Add 25 µL of fresh 30% (w/w) hydrogen peroxide immediately prior to use.
- If necessary, filter through a 0.2 µm filter.

References

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