

Product Information

5-Aminoallyl-dUTP (AA-dUTP), Sodium Salt, Lyophilized

Catalog Number: 40020-1

Unit Size: 1 mg

Storage and Handling

Store at -20°C, desiccated. Product is stable for at least 12 months from date of receipt when stored as recommended.

Molecular Information: C₁₂H₁₇N₃Na₃O₁₄P₃

CAS number: 116840-18-7

Molecular Weight: 589

Color and Form: White solid

Solubility: Soluble in water

Purity: >90% by HPLC

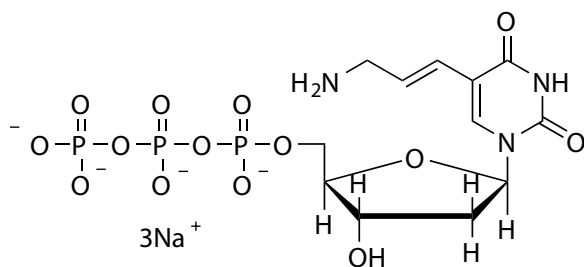


Figure 1. Structure of 5-Aminoallyl-dUTP.

Product Description

5-Aminoallyl-dUTP can be enzymatically incorporated into DNA. The resulting amine-containing DNA can be subsequently labeled with a fluorescent dye, biotin, or other haptens via conventional peptide coupling method (1,2). This two-step method for labeling nucleic acids is considerably more economical than the one-step method using a prelabeled dUTP (3).

Note: For PCR applications, we recommend Taq polymerase for use with dUTP conjugates because dUTP inhibits archaeal polymerases such as Pfu and Vent (3,4).

References

1. Biol Chem 371, 953 (1990); 2. Biotechniques 28, 518 (2000);
3. Anal Biochem 211, 164 (1993); 4. PNAS 99, 596 (2002).

Related Products

Cat. No.	Product
40020	5-Aminoallyl-dUTP (AA-dUTP), Sodium Salt, 10 mM Solution
40021	5-Aminoallyl-UTP, Sodium Salt, 10 mM Solution
40002... 40100	dUTP CF® Dye Conjugates
40027... 40068	dCTP CF® Dye Conjugates
40030	Biotin-20-dUTP, 1 mM Solution
40022	Biotin-16-dUTP, 1 mM Solution
40029	Biotin-11-dUTP, 1 mM Solution
40036	Biotin-11-dCTP, 1 mM Solution
40025	5-Bromo-dUTP, 10 mM Solution
40001	5-TAMRA-dUTP, 1 mM Solution
40059	DEAC-dUTP
40064, 40065	Cyanine Dye dUTP
40063	Fluorescein-12-dUTP
40078	Digoxigenin-dUTP, Alkali Stable
92103... 97502	CF® Dye SE/TFP Ester
90016... 90049	Cyanine Dye Succinimidyl Ester
40052	dNTP Set, 100 mM Each
29050	CheetaH™ HotStart Taq DNA Polymerase
31000, 31019	EvaGreen® Dye
31077	EvaGreen® Plus Dye, 20X in Water
31041, 31042	Forgot-Me-Not™ EvaGreen® qPCR Master Mix (2-Color Tracking)

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