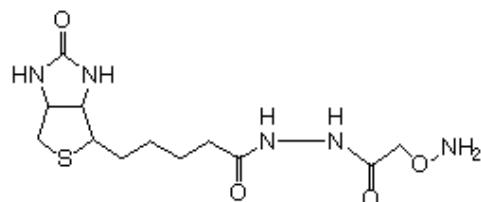


Nucleic acid biotinylation

AMCH-Biotin

Description

Catalog number:	UPR0756A, 10mg
Name:	AMCH-Biotin Aldehyde reactive biotin
Formula :	N'-Aminoxymethylcarbonylhydrazino D-biotin (M) C ₁₂ H ₂₁ N ₅ O ₄ S ; CAS: 139585-03-8; MW= 341.40
	Solubility: 10 mg/ml water
	Appearance: white powder
	Packaging : 1mg
	Storage : -20°C
	Shipping : Room Temperature



General Information

Uptima AmCH-Biotin is aldehyde-reactive and is utilized for the labeling and detection of the abasic sites (AP sites, depurine/depyrimidine sites) of DNA because of its aldehyde-specific reactivity. AmCH-Biotin tags at the AP sites of DNA. The biotin can then be detected by peroxidase-labeled avidin and oxidative chromogenic dyes such as OPD or TMB (#UP66478).

It has been reported that less than one abasic site in 1×10^4 nucleotides of DNA can be detected.

USE

Considering the new and various applications, Uptima recommends to refer to the literature for information of uses.

Other Information

Related products :

CelluSep	Membranes	Dialysis
UPL7784	Psoralen-PEO4-Biotin	

Immobilized Avidins: immobilization of aldehyde bearing biomolecules (AND) for affinity purification or hybridization.

For any additional information, please inquire at Uptima- Interchim
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Literature:

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 K. Kubo, H. Ide, S. S. Wallace, Y. W. Kow, *Biochemistry*, **31**, 3703 (1992).
 H. Ide, K. Akamatsu, Y. Kimura, K. Michiue, K. Makino, A. Asaeda, Y. Takamori, K. Kubo, *Biochemistry*, **32**, 8276 (1993).
 A. Asaeda, H. Ide, K. Tano, Y. Takamori, K. Kubo., *Nucleosides & Nucleotides*, **17**, 503 (1998).
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