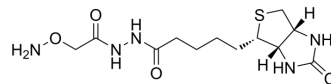


ARP

Cat. No.:	HY-157916
CAS No.:	139585-03-8
Molecular Formula:	C ₁₂ H ₂₁ N ₅ O ₄ S
Molecular Weight:	331.39
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ARP (Aldehyde reactive probe) is an aldehyde reactive probe for detecting abasic site (common DNA lesions and intermediates in mutagenesis and carcinogenesis) in DNA, which specifically tags AP site with biotin residues. ARP is highly sensitive with a femtomolar-level basic site detection capabilities (less than one site per 10⁴ nucleotides)^[1].

REFERENCES

[1]. Kubo K, et al., A novel, sensitive, and specific assay for abasic sites, the most commonly produced DNA lesion. *Biochemistry*. 1992 Apr 14;31(14):3703-8.

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

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