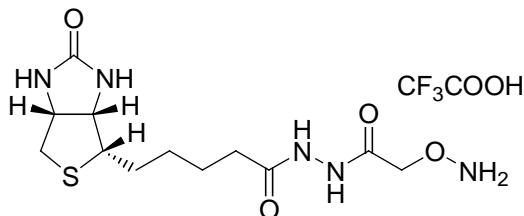


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: **ARP** (*N*-(Aminooxyacetyl)-*N'*-(D-biotinoyl)hydrazine, trifluoroacetic acid salt)**CATALOG #:** **90073****MOLECULAR INFORMATION:** C₁₄H₂₂F₃N₅O₆S
Mwt: 445.41**PROPERTIES:**

Color & Form White solid
Purity ≥ 98% by TLC
Solubility Soluble in DMSO

STORAGE AND HANDLING: Store desiccated at 4°C**APPLICATION:** ARP reacts with the exposed aldehyde group formed at abasic sites in damaged DNA, allowing the DNA to be labeled with biotin groups.^{1,2} The labeled DNA can then be quantitated with fluorescent or enzyme-conjugated streptavidin complexes. ARP can freely cross the cell membranes, thus allowing detection of abasic sites in living cells.³ ARP is suitable for use in microplate assays.Ref.: 1) *Biochemistry* **32**, 8276-8283 (1993); 2) *Biochemistry* **31**, 3703-3708 (1992); 3) *Proc Natl Acad Sci U S A.*, **97**, 686-691 (2000)**TOXICITY:** Unknown.**FIRST AID:** Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.**Disclaimer:** Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.