This document is provided for product evaluation purposes only. It is not intended to be used in place of the package insert shipped with the product.





DINUCLEOTIDE STANDARD Thymine Glycol Adenine Dimer d(T^gpA)

This product was manufactured in a facility which has a Quality Management System that is certified as being in compliance with ISO 13485.

ZMC Catalog #: 0801217

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Rev.: 02/06 1004582 ZeptoMetrix Corporation 872 Main Street Buffalo, New York 14202 Office Phone: 716-882-0920 Fax: 716-882-0959

Customer Service: 800-274-5487 www.zeptometrix.com

e-mail: support@zeptometrix.com

custserv@zeptometrix.com

FOR RESEARCH USE ONLY. Not for in vitro Diagnostic Use

d(T^gpA): Dinucleotide Monophosphate where T^g is *cis*-5R, 6S-thymidine glycol. (1, 2)

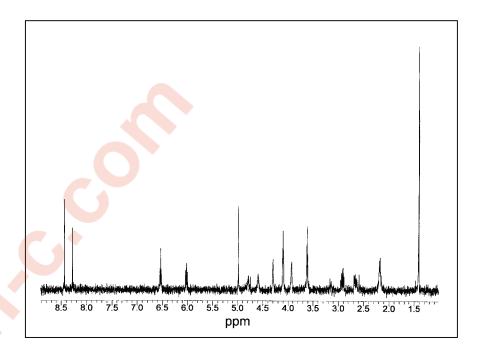
PRODUCT CHARACTERISTICS

d(T⁹pA) is useful as an internal standard for end-labeling as well as LC-MS analysis in the investigation of the nature and consequences of DNA damage. d(T⁹pA) has been chemically synthesized to improve reliability and accuracy and purified by HPLC.⁽³⁾ Identification of the product and an index of its purity was accomplished by proton NMR spectroscopy at 400 MHz.⁽⁴⁾

RECOMMENDED USAGE

 $d(T^9pA)$ may be used as an internal standard for various quantitations. This lyophilized product is supplied at 1.0 ODU (~50 μg) as a mixture of the cis isomers. Reconstitute in water to 1.0 ml.

STORAGE AND STABILITY Lyophilized product is stable for 1 year when stored at 2-8°C. Recommend aliquoting and storing at -20°C when resuspended in water.



REFERENCES

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