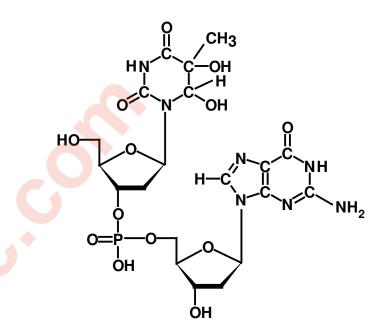
This document is provided for product evaluation purposes only. It is not intended to be used in place of the package insert shipped with the product.

Thymine Glycol Guanine Dimer d(T<sup>g</sup>pG)







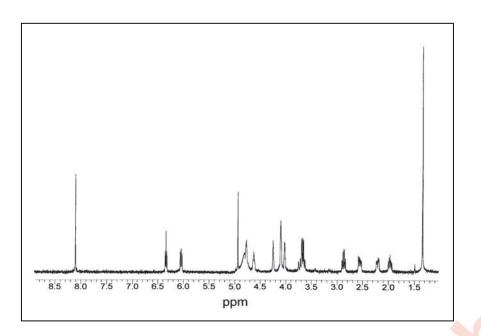
## DINUCLEOTIDE STANDARD Thymine Glycol Guanine Dimer d(T<sup>g</sup>pG)

This product was manufactured in a facility which has a Quality Management System that is certified as being in compliance with ISO 13485. d(T<sup>g</sup>pG): Dinucleotide Monophosphate where T<sup>g</sup> is *cis*-5R, 6S-thymidine glycol.  $^{\!\!\!(1,\,2)}$ 

PRODUCT d(T<sup>9</sup>pG) is useful as an internal standard for end-labeling as **CHARACTERISTICS** well as LC-MS analysis in the investigation of the nature and d(T<sup>g</sup>pG) has been consequences of DNA damage. chemically synthesized to improve reliability and accuracy and purified by HPLC.<sup>(3)</sup> Identification of the product and an index of its purity was accomplished by proton NMR spectroscopy at 400 MHz.<sup>(4)</sup> RECOMMENDED **d**(**T<sup>g</sup>pG**) may be used as an internal standard for various USAGE 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 Lyophilized product is stable for 1 year when stored at 2-8°C. AND STABILITY Recommend aliquoting and storing at -20°C when resuspended in water.

## ZMC Catalog #: 0801214

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