

PrimeSyn Lab Inc.

Cutting Edge Custom DNA and Organic Synthesis

PSLi PrimeSyn Lab (PSL) is registered with the U.S. Food & Drug Administration (FDA) to develop, manufacture and sell Analyte Specific Reagent (ASR) products. PSL has unrivaled experience in the area of complex DNA, RNA, and small molecule synthesis, as well as their purification and characterization. Our mission is to provide superior quality and services in custom synthesis, contract research and specialty organics at competitive prices.



CAPABILITY:

MODIFIED DNA/RNA SYNTHESIS

PROPRIETARY METHODOLOGY IN MAKING POLY "G" SEQUENCES

PURIFICATION OF SEQUENCES WITH SECONDARY STRUCTURES

DYE-LABELED PROBES

ORGANIC SYNTHESIS

PROTEIN ANALYSIS/PURIFICATIONS

COMPLETE TRACEABILITY

CONSULTANCY

MASS SPECTRAL ANALYSIS

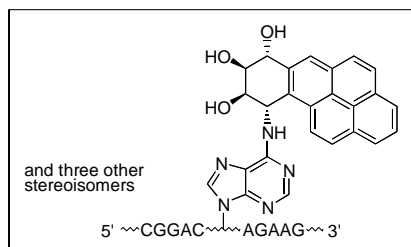
PATENT REVIEW



Water's HPLC system

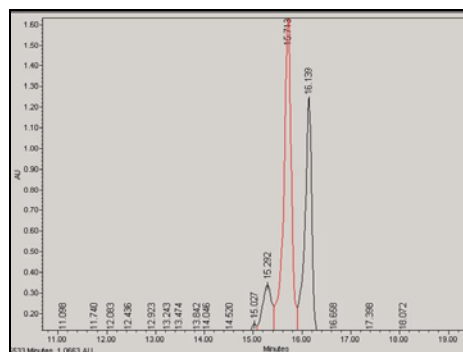
PSL EXPERTISE:

- Multi-step organic synthesis and incorporating these modified nucleoside derivatives into DNA.



Codon 60-62 of the human *N-ras* proto-oncogene containing benzo[*a*]pyrene diol epoxide adduct at the dA residue

G rich sequence separation containing N-1 failure oligo by HPLC:



GATCGCCGTACGTGGGGATGGGGA
(25mer in blue) and
ATCGCCGTACGTGGGGATGGGGA
(24 mer N-1 in red).

ANALYTE SPECIFIC REAGENT (ASR)

- ASR manufactured under cGMP in compliance with the FDA regulations 21 CFR820 and 21 CFR864.4020.
- Analyte Specific Reagent. Analytical and performance characteristics are not established
- Highly pure oligos >98-99% based on customer's need.
- Accountability, integrity, reliability and excellence in service
- Stringent quality management system
- All instruments validated (IQ/OQ/PQ) with complete maintenance record
- Customized Production Batch Record created for each run to meet individual needs
- Extensive analytical data provided with C of A



ABI 3900 synthesizers capable of 48 discrete DNA syntheses

