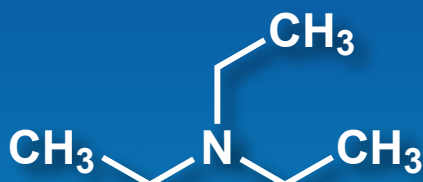


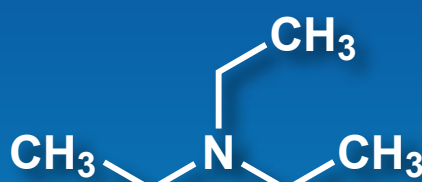
New

Buffer and Additives for Oligonucleotide LC Analysis

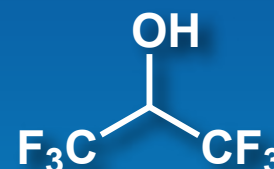


▪ CH₃CO₂H

Triethylammonium Acetate
(2.0mol/L in Water)
100mL
[T4022]



Triethylamine
[for HPLC]
50g
[T4021]



**1,1,1,3,3,3-Hexafluoro-
propan-2-ol**
[for HPLC]
100g
[H1793]

Advantages

- Guaranteed low UV absorbance suitable for LC analysis.
- Buffer solutions can be prepared according to your analyses by mixing or diluting these reagents.

Triethylammonium acetate solution is well-known as a RP-HPLC buffer for the purification/analysis of oligonucleotides.¹⁾ On the other hand, the buffer of trimethylamine and 1,1,1,3,3,3-hexafluoroisopropyl alcohol (= HFIP) is known to provide high ESI sensitivity in the detection of oligonucleotide LC-MS analysis.²⁾ For the oligonucleotides LC analysis, we offer the above buffer and additives with guaranteed low UV absorbance. For details, please refer to the “Specifications” section in the product page on TCI website.

Reference

- 1) Separation of small DNA and RNA oligonucleotides by high-performance anion-exchange liquid chromatography
M. Dizdaroglu, W. Hermes, *J. Chromatogr.* **1979**, 171, 321.
[https://doi.org/10.1016/s0021-9673\(01\)95311-7](https://doi.org/10.1016/s0021-9673(01)95311-7)
- 2) Analysis of oligonucleotides by HPLC-electrospray ionization mass spectrometry
A. Apffel, J. A. Chakel, S. Fischer, K. Lichtenwalter, W. S. Hancock, *Anal. Chem.* **1997**, 69, 1320.
<https://doi.org/10.1021/ac960916h>

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