

# Certificate of Analysis



**Product Name:** Hydroxy-dPEG<sup>®</sup><sub>4</sub> TFP ester  
**SKU Number:** QBD-11341  
**Lot Number:** AF1-A0405-095  
**Molecular Weight:** 414.35

ASSAY	SPECIFICATION	LOT DATA
Appearance	Colorless oil	Colorless oil
<sup>1</sup> H NMR (Structural)	Consistent with structure	Consistent with structure
<sup>1</sup> H NMR (Purity)*	>95%	>99.5%
HPLC-ELSD (Purity)**	>97%	99.9%

\*Determined by quantitative <sup>1</sup>H NMR using an internal standard. Purity is the mean of three (3) independent samples.

\*\*Determined by RP-HPLC using Evaporative Light-Scattering Detection (ELSD). Purity is the mean of three (3) independent samples.

This document certifies that Lot AF1-A0405-095 was analyzed and released by Vector Laboratories Quality Control on July 18, 2024, and was found to meet the currently established test parameters.

Dave Schory, M.S.  
QC Manager

*Vector Laboratories certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.*