Certificate of Analysis

Rhodamine 800

Cat. No.: HY-101876 CAS No .: 137993-41-0 Batch No.: 294430

Chemical Name: 1H,5H,11H,15H-Xantheno[2,3,4-ij:5,6,7-i'j']diquinolizin-18-ium, 9-cyano-2,3,6,7,12,13,16,17-octa

hydro-, perchlorate (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{26}H_{26}CIN_3O_5$

Molecular Weight: 495.95

Storage: 4°C, sealed storage, away from moisture and light

* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and

Chemical Structure:

ANALYTICAL DATA

Appearance: Dark purple to black (Solid) ¹H NMR Spectrum: Consistent with structure LCMS: Consistent with structure

Purity (LCMS): 99.72%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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