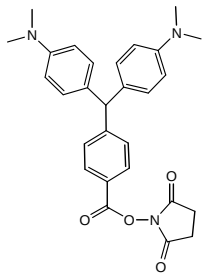
Certificate of Analysis

Product Name: Leuco Malachite Green NHS ester
Chemical Name: 4-[bis-(4-N,N-dimethyl-aniline)]-methyl-benzoic N-hydroxysuccinimide ester
Formula: $C_{28}H_{29}N_3O_4$
Molecular Weight: 471.55



Part No. : HPT1103
Lot No. : 021014
Purity : 95%+
Release Date : 12 Feb 14

Test

Description:
Description: Light green solid.

Result: PASS

Appearance
Appearance: Powder

Results: PASS

Purity
Specification: 95%

Results: PASS

Conjugation Property
Specification: Each solid lot is dissolved in DMF (1 mg/mL) and mixed and shaken with primary amino linked CPG (controlled pore glass and white color) for 5 minutes. Solution was filtered through sintered flask, dissolve 1 mg DDQ in 1 mL acetone, poured the DDQ solution into the flask with CPG, rinsed thoroughly with DMF, and solid support was coated with deep blue color.

Results: PASS

Approved by:

Quality Assurance Manager

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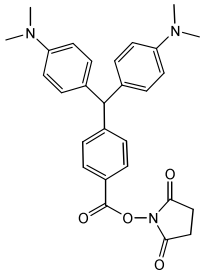

Part No. : HPT1103
Lot No. : 040912
Purity : 95%+
Release Date : 12 Apr 12

Test

Description:
Description: Light green solid.

Result: PASS

Appearance
Appearance: Powder

Results: PASS

Purity
Specification: 95%

Results: PASS

Conjugation Property
Specification: Each solid lot is dissolved in DMF (1 mg/mL) and mixed and shaken with primary amino linked CPG (controlled pore glass and white color) for 5 minutes. Solution was filtered through sintered flask, dissolve 1 mg DDQ in 1 mL acetone, poured the DDQ solution into the flask with CPG, rinsed thoroughly with DMF, and solid support was coated with deep blue color.

Results: PASS

Approved by:
Quality Assurance Manager

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