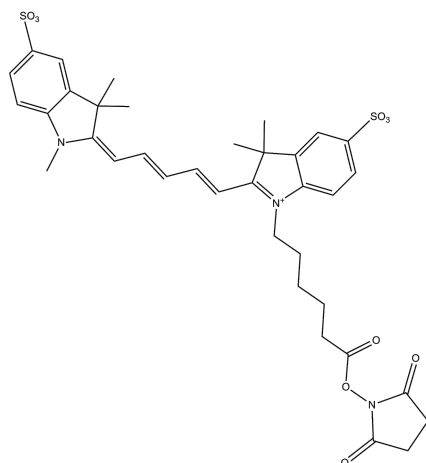


Certificate of Analysis

Product Name: Cy5 NHS ester
Cat. No.: GC12907
Batch No.: 7
Chemical Name: (2E)-1-[6-(2,5-dioxopyrrolidin-1-yl)oxy-6-oxohexyl]-3,3-dimethyl-2-[(2E,4E)-5-(1,3,3-trimethyl-5-sulfonatoindol-1-ium-2-yl)penta-2,4-dienylidene]indole-5-sulfonate

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.:
Molecular Formula: $C_{36}H_{40}N_3NaO_{10}S_2$
Molecular Weight: 761.84
Storage: Store at $-20^{\circ}C$, protect from light



Chemical Structure:

ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >95.00%
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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA