

CERTIFICATE OF ANALYSIS

Product Identification

Product Name	Flamma® 648NA NHS ester
Catalog Number	PNS1215
Appearance	Blue Solid
Storage Conditions	Protect from Light at -20 °C
Lot Number	ASF00093
Molecular Weight	581 g/mol
Soluble in	DMF, DMSO

Product Analysis

NMR	Lot Data	meets specification
	Specification	consistent with structure
HPLC - Purity	Lot Data	99%
	Specification	≥ 95%
LC/MS - Identity	Lot Data	meets specification
	Specification	consistent with mass/fragmentation
Absorption * - Maximum	Lot Data	646 nm
	Specification	646 ± 3 nm
Emission * - Maximum	Lot Data	665 nm
	Specification	665 ± 4 nm
Extinction Coefficient * at 646 nm	Lot Data	169,000 /cm·M
	Specification	≥ 155,000 /cm·M

* Analytical Solvent : Dimethylformamide



Date of Issue : 15 Jan 2019

****For Research Use Only****

BioActs certifies on the date above that is an accurate record of the analysis of the subject lot, and that the data conform to all quality specifications.