



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-208300
Lot Number: SAMPLE
Product Name: Resorufin acetate
CAS Number: 1152-14-3
Molecular Formula: $C_{14}H_9NO_4$
Molecular Weight: 255.23

Test	Specification	Result
Appearance		Light yellow solid
Identification (NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 90\%$	99%
Purity (TLC)	$\geq 90\%$	99%
Absorption Excitation (1)	$435 \pm 3 \text{ nm}$	435 nm
Extinction Coefficient (1)	$13500 \pm 1000 \text{ cm}^{-1}\text{M}^{-1}$	$13040 \text{ cm}^{-1}\text{M}^{-1}$
Absorption Excitation (2)	$575 \pm 3 \text{ nm}$	574 nm
Extinction Coefficient (2)	$85000 \pm 5000 \text{ cm}^{-1}\text{M}^{-1}$	$84000 \text{ cm}^{-1}\text{M}^{-1}$

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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