

Certificate of Analysis					
Name:	Name: DMNPE-caged luciferin *Cell permeant* D-Luciferin, 1-(4,5-dimethoxy-2-nitrophenyl)ethyl ester				
Catalog Number:	6771	Lot:		50576	
CAS Number:	154140-55-3	Formula: 0		C ₂₁ H ₁₉ N ₃ O ₇ S ₂	
Molecular Weight:	489.52 (g/mol)				
	Observed		Standard		
HPLC Purity:	99% at 254 nm		≥ 95% at 254 nm		
Absorption (Methanol)					
Wavelength (λ _{max}):	338 nm		338 ± 3 nm		
Extinction:	23,500 cm ⁻¹ M ⁻¹		24,000 ± 2,000 cm ⁻¹ M ⁻¹		
Fluorescence (Methanol)					
Emission Max:	434 nm		434 ± 4 nm		
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot: 150	96 Release: 26-Aug-2015 Expiration: 26-Aug-2025				
Structure:	HO S S O ₂ N O CH ₃ O CH ₃ O CH ₃				

This data reflects the accuracy of the analysis of the subject lot For research use only. Not for human use. No animal source. This material is chemically synthesized and manufactured in the USA

Date: 26-Aug-2015

Approved by: Dianna M Wineinger

Analytical Services Manager

Signature: