



9620 Medical Center Drive
Rockville, MD 20850, USA
www.abpbiotech.com.cn

CERTIFICATE OF ANALYSIS

Catalog Number C023
Product Name calcein blue, AM, 1 mg/mL in DMSO
CAS Number 168482-84-6
Molecular Formula C₂₁H₂₃NO₁₁
Molecular Weight 465.41
Appearance colorless solution
Lot Number AB3076

| | LOT DATA | SPECIFICATION |
|--|---------------------|---------------------------|
| Absorption ¹ Maximum | 323 nm | 322 ± 3 nm |
| Fluorescence ¹ Emission Maximum | 439 nm | 437 ± 4 nm |
| HPLC Purity | 85 % at 254 nm | ≥ 80 % at 254 nm |
| NMR Result | meets specification | consistent with structure |

1. Solvent: Methanol.