

Catalog Number B438
Product Name bis-(1,3-dibutylbarbituric acid)trimethine oxonol (DiBAC₄(3))
CAS Number / Name 70363-83-6 / 2,4,6(1H,3H,5H)-Pyrimidinetrione, 1,3-dibutyl-5-(3-(1,3-dibutyl-1,2,3,4-tetrahydro-6-hydroxy-2,4-dioxo-5-pyrimidinyl)-2-propenylidene)-
Molecular Formula C₂₇H₄₀N₄O₆
Molecular Weight 516.64
Appearance orange solid
Lot Number 1990344

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	493 nm 132000 cm ⁻¹ M ⁻¹	493 ± 3 nm 140000 ± 10000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	518 nm	517 ± 4 nm
HPLC Purity	99 % at 490 nm	≥ 95 % at 490 nm
NMR Result	meets specification	consistent with structure
Miscellaneous Information Material Lot Number	1986880	N/A

1. Solvent: Methanol.



Rachel Smith, Quality Assurance Manager
23-May-2018

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.