

Catalog Number A10266
Product Name Alexa Fluor® 488 azide (Alexa Fluor® 488 5-carboxamido-(6-azidohexanyl), bis(triethylammonium salt)) *5-isomer*
Molecular Formula $C_{39}H_{56}N_8O_{10}S_2$
Molecular Weight 861.04
Appearance orange solid
Lot Number 1657686

| | LOT DATA | SPECIFICATION |
|----------------------------------|--|---|
| Absorption ¹ | | |
| Maximum | 492 nm | 493 ± 3 nm |
| Extinction | 74000 cm ⁻¹ M ⁻¹ | 76000 ± 7000 cm ⁻¹ M ⁻¹ |
| Fluorescence ¹ | | |
| Emission Maximum | 518 nm | 516 ± 4 nm |
| HPLC ² | | |
| Isomer Purity | 99 % at 254 nm | ≥ 97 % at 254 nm |
| HPLC | | |
| Purity | 99 % at 254 nm | ≥ 90 % at 254 nm |
| NMR | | |
| Result | meets specification | consistent with structure |
| Miscellaneous Information | | |
| Material Lot Number | 1639014 | n.a. |

1. Solvent: Buffer, 50 mM potassium phosphate (pH 7).

2. Method: Compositional Analysis.

Rachel Smith, Ph.D., Quality Assurance

10-Oct-2014

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.