

**Catalog Number** D2004  
**Product Name** *N,N'*-dimethyl-*N*-(iodoacetyl)-*N'*-(7-nitrobenz-2-oxa-1,3-diazol-4-yl)ethylenediamine (IANBD amide)  
**CAS Number / Name** 173485-12-6 / Acetamide, 2-iodo-*N*-methyl-*N*-[2-[methyl(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]ethyl]-  
**Molecular Formula** C<sub>12</sub>H<sub>14</sub>IN<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** 419.18  
**Appearance** orange solid  
**Lot Number** 2047607

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup> Maximum Extinction	478 nm 22500 cm <sup>-1</sup> M <sup>-1</sup>	480 ± 3 nm 23500 ± 2500 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>1</sup> Emission Maximum	544 nm	543 ± 4 nm
<b>HPLC</b> Purity	75 % at 254 nm	≥ 75 % at 254 nm
<b>NMR</b> Result	meets specification	consistent with structure
<b>Miscellaneous Information</b> Material Lot Number	998517	N/A

1. Solvent: Methanol.



Rachel Smith, Quality Assurance Manager  
08-Sep-2017

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.