

**Catalog Number** E1169  
**Product Name** ethidium homodimer-1 (EthD-1)  
**CAS Number / Name** 61926-22-5 / Phenanthridinium, 5,5'-[1,2-ethanediylbis(imino-3,1-propanediyl)]bis(3,8-diamino-6-phenyl)-, dichloride, dihydrochloride  
**Molecular Formula** C<sub>46</sub>H<sub>50</sub>Cl<sub>4</sub>N<sub>8</sub>  
**Molecular Weight** 856.77  
**Appearance** red solid  
**Lot Number** 1614992

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup>		
Maximum Extinction	493 nm 9700 cm <sup>-1</sup> M <sup>-1</sup>	494 ± 3 nm 9000 ± 700 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>1</sup>		
Emission Maximum	636 nm	632 ± 4 nm
<b>HPLC</b>		
Purity	96 % at 254 nm	≥ 90 % at 254 nm
<b>NMR</b>		
Result	meets specification	consistent with structure
<b>Miscellaneous Information</b>		
Material Lot Number	1232381	n.a.

1. Solvent: H<sub>2</sub>O.

*Betty Wood*

Betty Wood, Quality Assurance Manager  
 26-Nov-2012

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.