

**Catalog Number** L453  
**Product Name** lucifer yellow CH, lithium salt  
**CAS Number / Name** 67769-47-5 / 1H-Benz[de]isoquinoline-5,8-disulfonic acid, 6-amino-2-[(hydrazinocarbonyl)amino]-2,3-dihydro-1,3-dioxo-, dilithium salt  
**Molecular Formula** C<sub>13</sub>H<sub>9</sub>Li<sub>2</sub>N<sub>5</sub>O<sub>9</sub>S<sub>2</sub>  
**Molecular Weight** 457.24  
**Appearance** orange solid  
**Lot Number** 2069645

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup> Maximum Extinction	428 nm 11200 cm <sup>-1</sup> M <sup>-1</sup>	428 ± 3 nm 11500 ± 800 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>1</sup> Emission Maximum	536 nm	535 ± 4 nm
<b>HPLC</b> Purity	87 % at 254 nm	≥ 80 % at 254 nm
<b>NMR</b> Result	meets specification	consistent with structure
<b>Miscellaneous Information</b> Material Lot Number	1869524	N/A

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



Rachel Smith, Quality Assurance Manager  
22-Mar-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.