

**Catalog Number** F1179  
**Product Name** fluorescein di-β-D-galactopyranoside (FDG)  
**CAS Number / Name** 17817-20-8 / Spiro(isobenzofuran-1(3H),9'-(9H)xanthen)-3-one, 3',6'-bis(β-D-galactopyranosyloxy)-  
**Molecular Formula** C<sub>32</sub>H<sub>32</sub>O<sub>15</sub>  
**Molecular Weight** 656.6  
**Appearance** off-white solid  
**Lot Number** 1163335

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup> Maximum Extinction	273 nm 6700 cm <sup>-1</sup> M <sup>-1</sup>	273 ± 3 nm 6500 ± 600 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>2</sup> Background	28	≤ 100
<b>HPLC</b> Purity	97 % at 254 nm	≥ 95 % at 254 nm
<b>NMR</b> Result	meets specification	consistent with structure
<b>Miscellaneous Information</b> Material Lot Number	38C4	N/A

1. Solvent: Methanol.

2. Solvent: Methanol. Method: Background vs. Reference. Ref: fluorescein, Ex @ 490 nm, Em @ 517 nm.

*Betty Wood*

Betty Wood, Quality Assurance Manager

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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.