

## Certificate of Analysis

<b>PRODUCT:</b>	<b>LY-294002 EZ Solution</b> [2-(4-Morpholinyl)-8-phenyl-4 <i>H</i> -1-benzopyran-4-one] <b>C<sub>19</sub>H<sub>17</sub>NO<sub>3</sub>, M.W.307.3, CAS# [15447-36-6]</b>
<b>PRODUCT NUMBER:</b>	E-2312
<b>LOT NUMBER:</b>	K1291A
<b>APPEARANCE:</b>	Clear colorless solution.
<b>SOLUTION:</b>	Solution composition - DMSO at 5mg/1.627mL
<b>ANALYSIS (TLC):</b>	> 98%
<b>ANALYSIS (NMR):</b>	Conforms
<b>DESCRIPTION:</b>	Highly selective inhibitor of phosphatidylinositol 3-kinase. Inhibits autophagy in rat hepatocytes and an extremely useful tool for determining the role of PI 3-K in cellular signaling. Cell permeable.
<b>STORAGE &amp; HANDLING:</b>	<b>Store at -20°C. PROTECT FROM LIGHT AND AIR!</b>  CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.  Verified: KLS