

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>LY 333,531 . hydrochloride</b> PKC $\beta$ inhibitor; [ <i>S</i> ]-13-[(Dimethylamino)methyl-10,11,14,15-tetrahydro-4, 9:16,21-dimetheno-1 <i>H</i> , 13 <i>H</i> -dibenzo[ <i>e,k</i> ]pyrrolo[3,4- <i>h</i> ][1,4,13]oxadiazacyclohexadecene-1,3(2 <i>H</i> )-dione . HCl; Ruboxistaurin . HCl] C <sub>28</sub> H <sub>28</sub> N <sub>4</sub> O <sub>3</sub> • HCl, M.W. 468.6 . 36.5, CAS# [169939-93-9]
<b>PRODUCT NUMBER:</b>	L-1011
<b>LOT NUMBER:</b>	C1215
<b>APPEARANCE:</b>	Red solid
<b>PURITY (NMR):</b>	≥ 98%
<b>IDENTITY:</b>	Determined by <sup>1</sup> H-NMR
<b>SOLUBILITY:</b>	Soluble in DMSO; Slightly soluble in 100% ethanol or water.
<b>DESCRIPTION:</b>	Isozyme selective inhibitor of protein kinase C $\beta$ (PKC $\beta$ ). Inhibits both the PKC $\beta$ I (IC <sub>50</sub> = 4.7nM) and PKC $\beta$ II (IC <sub>50</sub> = 5.9nM) isozymes. 76- and 61-fold more selective for inhibition of PKC $\beta$ I and PKC $\beta$ II over PKC $\alpha$ .
<b>STORAGE &amp; HANDLING:</b>	Keep cool and dry at +4°C.

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: DD