

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Proteasome Substrate III (Fluorogenic),</b> [Suc-Leu-Leu-Val-Tyr-AMC; Proteasome Substrate; Calpain Substrate (Fluorogenic); Suc-LLVY-AMC] C <sub>40</sub> H <sub>53</sub> N <sub>5</sub> O <sub>10</sub> , M.W. 763.88; CAS# [94367-21-2]
<b>PRODUCT NUMBER:</b>	P-1163
<b>LOT NUMBER:</b>	D1165
<b>APPEARANCE:</b>	White lyophilized powder
<b>SOLUBILITY:</b>	Soluble in DMSO
<b>PURITY (HPLC):</b>	≥ 98.0%
<b>DESCRIPTION:</b>	A widely used fluorogenic substrate for 20S proteasome, calpains and other chymotrypsin-like proteases. Cleavage of this AMC peptide by the enzymes generates strongly fluorescent AMC that is monitored fluorometrically. $\lambda_{\text{ex}}$ : 340 - 360 nm; $\lambda_{\text{em}}$ : 440 - 460 nm.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b>PROTECT FROM LIGHT!</b>

CAUTION: For laboratory research & scientific manufacturing 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:

