

Certificate of Analysis

PRODUCT:	E-64 (Synthetic) <i>[trans-Eepoxysuccinyl-L-Leucylamido-(4-Guanidino) Butane]</i> ; Protease inhibitor, C₁₅H₂₇N₅O₅ • 0.5 H₂O, M.W. 357.4 (anhydrous), CAS# [66701-25-5]	
PRODUCT NUMBER:	E-2030	
LOT NUMBER:	L1105A (Same as "Mother Lot" L1105)	
APPEARANCE:	White powder	
	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
SOLUBILITY:	Up to 20mg/ml in H ₂ O Up to 25mg/ml in DMSO	Conforms
PURITY (HPLC):	≥99%	>99%
PURITY (TLC):	Single spot	Conforms
OPTICAL ROTATION:	$[\alpha]^{22}_D = +21^\circ$ to $+26^\circ$ (c=1.0, 1 N HCl)	+24°
ELEMENTAL ANALYSIS:	C: 49.0% - 51.4% H: 7.70%(Theoretical) N: 19.0% - 20.0%	C: 49.1% H: 7.7% N: 19.1%
WATER CONTENT (KF):	<10.0%	Conforms
COUNTRY of ORIGIN:	EU	
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT! 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: KS