

CERTIFICATE OF ANALYSIS

PRODUCT:	Cyclo (Δ-Ala-L-Val) C ₈ H ₁₂ N ₂ O ₂ , M.W. 168.1, CAS#[25516-00-1]
PRODUCT NUMBER:	C-2677
LOT NUMBER:	H1189
APPEARANCE:	White solid
SOLUBILITY:	Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.
PURITY (HPLC):	> 98%
DESCRIPTION:	Cyclo (Δ -Ala-L-Val) is a diketopiperazine formed by the fusion of Δ -Alanine and valine, reported as a secondary metabolite of fungi and bacteria. In <i>Pseudomonas aeruginosa</i> , cyclo (Δ -Ala-L-Val) is capable of activating N-acylhomoserine lactones (AHLs). Cyclo (Δ -Ala-L-Val) is also capable of activating or antagonizing other LuxR-based quorum-sensing systems. While the mode of action of cyclo(Δ -Ala-L-Val) is not known, its activity suggests the existence of cross talk among bacterial signaling systems.
STORAGE & HANDLING:	Store desiccated at -20°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: EV