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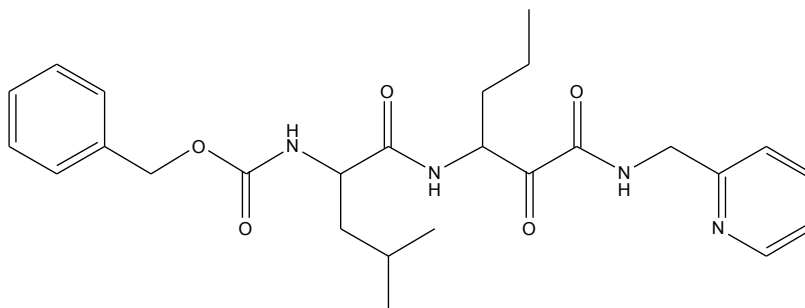
## CERTIFICATE OF ANALYSIS

Product name: **Calpain Inhibitor XII**

Cat. number: **VD-PI-0154** CAS Number: **Not available.** Lot number: **VD13-097756** [www.vdmbio.com](http://www.vdmbio.com)

### Personal protective equipment

- Lab coat.
- Safety glasses.



### Product Specification

<b>Formula:</b>	C <sub>26</sub> H <sub>34</sub> N <sub>4</sub> O <sub>5</sub>
<b>MW:</b>	482.6
<b>Purity:</b>	>=90%
<b>Appearance:</b>	Faint yellowish glassy semi-solid.
<b>Solubility:</b>	DMSO.
<b>Storage:</b>	+2°C to +8°C. <b>Protect from light.</b>
<b>Synonyms:</b>	Z-Leu-Nva-CONH-CH <sub>2</sub> -2-Pyridyl
<b>NMR:</b>	<b>Consistent with structure.</b>

### Product Description

A cell-permeable dipeptidyl -ketoamide compound that acts as a potent, selective, reversible, and active site inhibitor of calpain-1 (K<sub>i</sub> = 19 nM).

### Quality controle department:

This material is chemically synthesized. **Made in USA**

TO BE USED FOR RESEARCH PURPOSES ONLY. NOT FOR DRUG OR CLINICAL USE IN HUMANS OR FOOD ADDITIVE USE