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5386 MAJESTIC PARKWAY, UNIT-9,BEDFORD HEIGHTS, OH 44146,USA

PHONE NUMBER: 1-440-786-9400

FAX NUMBER: 1-440-786-9410

EMAIL: [SALES@VDMBIO.COM](mailto:SALES@VDMBIO.COM)

[www.vdmbio.com](http://www.vdmbio.com)

## CERTIFICATE OF ANALYSIS

Product name: **L 006235**

Cat. number: **VD-OEIA-1083**

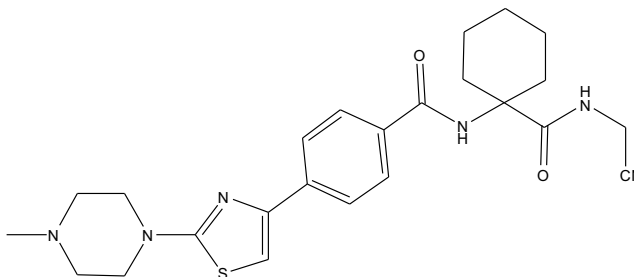
CAS Number: **294623-49-7**

Lot number: **VD12-0003277**

### Personal protective equipment

■ Lab coat.

■ Safety glasses.



### Product Specification

**Formula:** C<sub>24</sub>H<sub>30</sub>N<sub>6</sub>O<sub>2</sub>S

**MW:** 466.6

**Purity:** ≥98%

**Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** -+2°C to +8°C. **Protect from light.**

**Synonyms:** Not available.

### Product Description:

Potent, reversible cathepsin K inhibitor (IC<sub>50</sub> = 0.25 nM) that displays > 4000-fold selectivity over cathepsins B, L and S. Displays reduced selectivity in cell-based assays possibly due to lysosomal accumulation. Reduces collagen breakdown and promotes bone deposition in vivo. Orally active and has intrinsic fluorescence.

### Product Reference:

1.Falgueyret et al (2005). J.Med.Chem. 48 7535.

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