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CERTIFICATE OF ANALYSIS

Product name: **Calpain Inhibitor VI**

Cat. number: **VD-OEIA-1043**

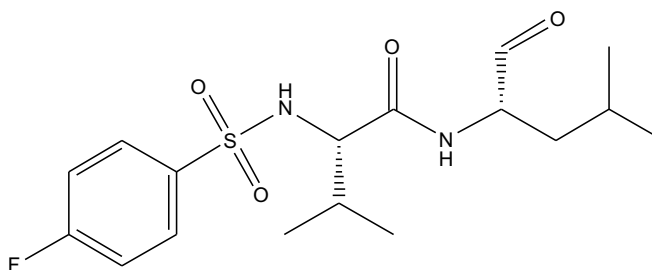
CAS Number: **190274-53-4**

Lot number: **VD12-0010616**

Personal protective equipment

■ Lab coat.

■ Safety glasses.



Product Specification

Formula:	C ₁₇ H ₂₅ FN ₂ O ₄ S
MW:	372.5
Purity:	>=95%
Appearance:	White lyophilized solid.
Solubility:	DMSO
Storage:	-20°. Protect from light.
Synonyms:	N-(4-Fluorophenylsulfonyl)-L-valyl-L-leucinal, SJA6017

Product Description:

A potent, cell-permeable, reversible inhibitor of calpain (IC₅₀ = 7.5 nM for μ -calpain and 78 nM for m-calpain). Also potently inhibits cathepsin B (IC₅₀ = 15 nM) and L (IC₅₀ = 1.6 nM). Reduces bFGF-induced angiogenesis in rat cornea and prevents selenite cataract formation. Reduces A23187-induced nuclear opacity and proteolysis of crystallins and α -spectrin in cultured lenses.

Product Reference:

- 1.Inoue, J., et al. 2003. J. Med. Chem. 46, 868.
- 2.Tamada, Y., et al. 2001. Curr. Eye Res. 22, 280.
- 3.Mathur, P., et al. 2000. Curr. Eye Res. 21, 926.
- 4.Nath, R., et al. 2000. Biochem. Biophys. Res. Commun. 274, 16.

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