



biochemicals

Manufactured by VDM Biochemicals.LLC

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## Product Data Sheet

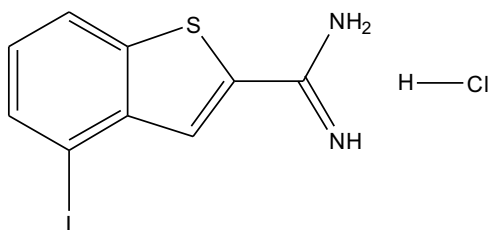
Product name: **uPA Inhibitor**

Cat. number: **VD-OEIA-1008** CAS Number: **149732-36-5** Lot number: **VD22007507** [www.vdmbio.com](http://www.vdmbio.com)

### Personal protective equipment

■ Lab coat.

■ Safety glasses.



### Product Specification

<b>Formula:</b>	C <sub>9</sub> H <sub>7</sub> IN <sub>2</sub> S • HCl
<b>MW:</b>	338.6
<b>Purity:</b>	>=98% by HPLC
<b>Appearance:</b>	Yellow solid
<b>Solubility:</b>	DMSO, H <sub>2</sub> O or EtOH
<b>Storage:</b>	+2°C to +8°C .
<b>Synonyms:</b>	4-iodobenzo[b]thiophene-2-carboximidamide hydrochloride

### Product Description:

A cell-permeable carboxamidine compound that acts as a potent substrate-competitive inhibitor of uPA, trypsin, and tryptase (K<sub>i</sub> = 0.32, 0.44, and 1.5 μM, respectively), with good selectivity relative to tPA, Thrombin, and Factor Xa (K<sub>i</sub> = 16.8, 20, and 30 μM, respectively). Reported to block cell surface uPA-mediated, plasminogen-dependent, degradation of fibronectin by HT1080 cells in a dose-dependent manner (IC<sub>50</sub> = 540 nM).

### Product References

- 1.Katz. B.A., et al. 2000. Chem. Biol. 7, 299.
- 2.Bridges, A.J., et al. 1993. Bioorg. Med. Chem. 1, 403.

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