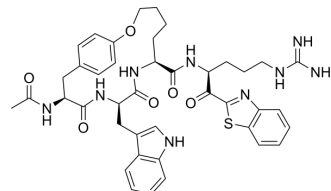


## VD4162

Cat. No.:	HY-161370
CAS No.:	2574390-19-3
Molecular Formula:	C <sub>41</sub> H <sub>47</sub> N <sub>9</sub> O <sub>6</sub> S
Molecular Weight:	793.93
Target:	Ser/Thr Protease
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

VD4162 (Compound 8b) is a macrocyclic inhibitor of serine proteases. VD4162 can significantly improve potency for all four target enzymes TMPRSS2 (IC<sub>50</sub> = 3.7 nM), HGFA (IC<sub>50</sub> = 3.3 nM), matriptase (IC<sub>50</sub> = 2.9 nM), and hepsin (IC<sub>50</sub> = 0.54 nM). VD4162 can be used for the research of cancer<sup>[1]</sup>.

### REFERENCES

[1]. Damalanka VC, et al. Mechanism-Based Macrocyclic Inhibitors of Serine Proteases. *J Med Chem.* 2024 Mar 28;67(6):4833-4854.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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