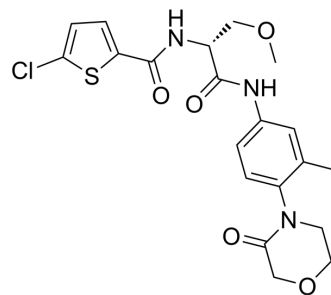


## EMD 495235

Cat. No.:	HY-10777
CAS No.:	811811-33-3
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> ClN <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	451.92
Target:	Factor Xa
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	EMD 495235 is a potent and orally active coagulation factor Xa inhibitor with an IC <sub>50</sub> of 5.5 nM and a K <sub>i</sub> of 6.8 nM. EMD 495235 shows anticoagulant activities <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 5.5 nM (factor Xa) <sup>[1]</sup> . K <sub>i</sub> : 6.8 nM (human factor Xa) <sup>[1]</sup> .
<b>In Vivo</b>	EMD 495235 is characterized by rapid absorption from the gastrointestinal tract, plasma elimination half-lives of 0.57-2.3 h, a clearance between 0.25 and 1.3L/h/kg and absolute bioavailability of 60-80% in Wistar rats, Beagle dogs and Cynomolgus monkeys <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Werner W K R Mederski, et al. Chlorothiophenecarboxamides as P1 surrogates of inhibitors of blood coagulation factor Xa. *Bioorg Med Chem Lett*. 2004 Dec 6;14(23):5817-22.

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

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