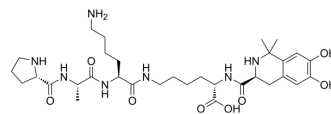


## Odatroltide

Cat. No.:	HY-132828
CAS No.:	1639303-73-3
Molecular Formula:	C <sub>32</sub> H <sub>51</sub> N <sub>7</sub> O <sub>8</sub>
Molecular Weight:	661.79
Target:	P-selectin
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Odatroltide, as a nanoscale P-selectin inhibitor, is a nano-delivery system of 6,7-dihydroxyl-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid and KPAK to target the thrombus <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	P-selectin <sup>[1]</sup>
<b>In Vitro</b>	Odatroltide (1 nM) effectively down-regulates P-selectin expression. DHDMIQK(KAP) effectively inhibits platelet aggregation via down-regulating the expression of P-selectin. Odatroltide effectively inhibits platelet aggregations induced by TH, AA, ADP and PAF, which are correlated with the downregulation of P-selectin expression and with the scavenging of the free radicals <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	Odatroltide (0.01 nmol/kg) lyses the thrombus and inhibits thrombosis with a minimal <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Feng Q, et al. DHDMIQK(KAP): a novel nano-delivery system of dihydroxyl-tetrahydro-isoquinoline-3-carboxylic acid and KPAK towards the thrombus. J Mater Chem B. 2016;4(36):5991-6003.

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

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