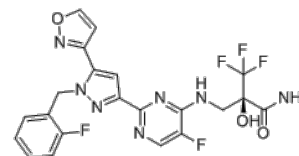


<b>Product Name</b>	: Olinciguat
<b>Cat. No.</b>	: PC-60523
<b>CAS No.</b>	: 1628732-62-6
<b>Molecular Formula</b>	: C <sub>21</sub> H <sub>16</sub> F <sub>5</sub> N <sub>7</sub> O <sub>3</sub>
<b>Molecular Weight</b>	: 509.4
<b>Target</b>	: Guanylate Cyclase
<b>Solubility</b>	: 10 mM in DMSO



1. Tchernychev B, et al. *Br J Pharmacol.* 2021 Sep;178(17):3463-3475.
2. Zimmer DP, et al. *Front Pharmacol.* 2020 Apr 8;11:419.

## Biological Activity

Olinciguat (IW-1701, IW1701) is a novel potent, selective **soluble guanylate cyclase (sGC)** stimulator, enhances the synthesis of cGMP in response to NO binding.

Olinciguat attenuates increases in plasma biomarkers of endothelial cell activation and leukocyte-endothelial cell interactions in TNF $\alpha$ -challenged mice.

Olinciguat attenuates leukocyte-endothelial cell interactions, improves blood flow and prolongs survival time in the Berkeley mouse model of TNF $\alpha$ -induced vaso-occlusive crisis.

## References

