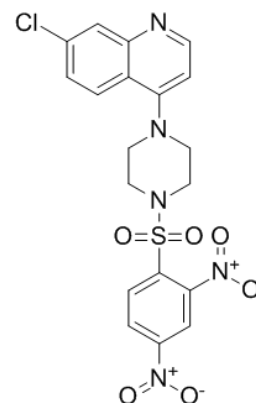


**Product Name** : VR-23  
**Cat. No.** : PC-45547  
**CAS No.** : 1624602-30-7  
**Molecular Formula** : C<sub>19</sub>H<sub>16</sub>ClN<sub>5</sub>O<sub>6</sub>S  
**Molecular Weight** : 477.8782  
**Target** : Proteasome  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent inhibitor of trypsin-like proteasome (IC<sub>50</sub>=1 nM), chymotrypsin-like proteasome (IC<sub>50</sub>=50-100 nM) and caspase-like proteasome (IC<sub>50</sub>=3 μM); targets the β<sub>2</sub> of the 20S proteasome catalytic subunit and structurally distinct from other known proteasome inhibitors and selectively kills cancer cells by apoptosis, with little effect on noncancerous cells.

## References

Pundir S, et al. Cancer Res. 2015 Oct 1;75(19):4164-75.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com