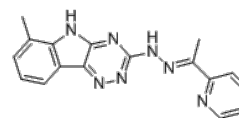


**Product Name** : VLX600  
**Cat. No.** : PC-72445  
**CAS No.** : 327031-55-0  
**Molecular Formula** : C<sub>17</sub>H<sub>15</sub>N<sub>7</sub>  
**Molecular Weight** : 317.356  
**Target** : Other Targets  
**Solubility** :



## Biological Activity

VLX600 (VLX-600) is a small molecule iron chelator and mitochondrial oxidative phosphorylation inhibitor, targets quiescent tumor cells and to inhibit mitochondrial respiration.

VLX600 shows enhanced cytotoxic activity under conditions of nutrient starvation, displays tumour growth inhibition in vivo. decrease mitochondrial energy production, an effect poorly tolerated by metabolically stressed tumor cells.

VLX600 inhibits a number of colon cancer cell lines with IC<sub>50</sub> of 1  $\mu$ M.

In KitV558del/+ mice, VLX600 alone did not induce tumor cell death, but had a profound antitumor effect when combined with imatinib.

## References

Zhang X, et al. Nat Commun. 2014;5:3295.

Fryknäs M, et al. Sci Rep. 2016 Dec 7;6:38343.

Antonescu CR, et al. Clin Cancer Res. 2018 Feb 15;24(4):972-984.

Karlsson H, et al. Oncotarget. 2019 Sep 3;10(51):5372-5382.

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

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