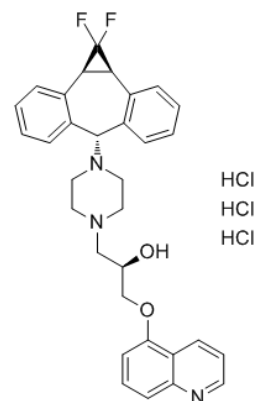


**Product Name** : Zosuquidar trihydrochloride  
**Cat. No.** : PC-45836  
**CAS No.** : 167465-36-3  
**Molecular Formula** : C<sub>32</sub>H<sub>34</sub>Cl<sub>3</sub>F<sub>2</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 636.9871  
**Target** : P-glycoprotein (P-gp)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Zosuquidar trihydrochloride (LY-335979) is a potent P-glycoprotein (**P-gp**) inhibitor with  $K_i$  of 60 nM.

Zosuquidar trihydrochloride (LY-335979) fully restores sensitivity to vinblastine, doxorubicin, etoposide, and Taxol in CEM/VLB100 cells at 0.1  $\mu$ M.

Zosuquidar trihydrochloride (LY-335979) enhances the antitumor activity of Taxol in a MDR human non-small cell lung carcinoma nude mouse xenograft model.

## References

Slate DL, et al. *Anticancer Res.* 1995 May-Jun;15(3):811-4.

Dantzig AH, et al. *Cancer Res.* 1996 Sep 15;56(18):4171-9.

Dantzig AH, et al. *J Pharmacol Exp Ther.* 1999 Aug;290(2):854-62.

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

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