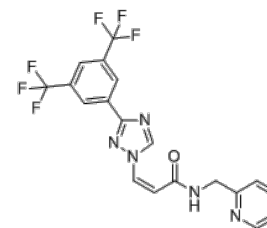


Product Name : Verdinexor
Cat. No. : PC-35933
CAS No. : 1392136-43-4
Molecular Formula : C₁₉H₁₃F₆N₅O
Molecular Weight : 441.337
Target : Exportin-1 (CRM1,XPO1)
Solubility : 10 mM in DMSO



Biological Activity

Verdinexor (KPT-335, KPT335) is an orally bioavailable, selective inhibitor of nuclear export (SINE), inhibits the function of nuclear export protein Exportin 1 (**XPO1/CRM1**) and the viability of Jurkat and canine DLBCL cells with IC₅₀ of 8.7 nM and 13.3 nM, respectively.

KPT-335 induces apoptosis in CLBL1 cells and primary canine DLBCL cells.

KPT-335 reduces influenza A virus replication in vitro and in vivo.

KPT-335 also inhibits XPO1-mediated transport and reduces RSV replication in vitro, shows effectivity against RSV A and B strains and reduces viral replication following prophylactic or therapeutic administration.

References

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Jorquera PA, et al. *J Virol*. 2018 Dec 12. pii: JVI.01684-18.

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

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