

Product Name	: Verdinexor
Synonyms	: KPT-335;KPT335
Cat No.	: M11627
CAS Number	: 1392136-43-4
Molecular Formula	: C ₁₉ H ₁₃ F ₆ N ₅ O
Formula Weight	: 441.34
Chemical Name	: (Z)-3-(3-(3,5-bis(trifluoromethyl)phenyl)-1H-1,2,4-triazol-1-yl)-N-(pyridin-2-ylmethyl)acrylamide
Description	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; induces apoptosis in CLBL1 cells and primary canine DLBCL cells; reduces influenza A virus replication in vitro and in vivo; 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. Influenza Phase 1 Clinical
Pathway	: Membrane Transporter/Ion Channel
Target	: Exportin-1
Receptor	: Exportin-1
Solubility	: DMSO: 82 mg/mL (185.4 mM); Ethanol: 9 mg/mL (20.3 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: <chem>O=C(NNC1=NC=CC=C1)/C=C\N2N=C(C3=CC(C(F)(F)F)=CC(C(F)(F)F)=C3)N=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. London CA, et al. PLoS One. 2014 Feb 4;9(2):e87585.| 2. Perwitasari O, et al. J Virol. 2014 Sep 1;88(17):10228-43.| 3. Perwitasari O, et al. PLoS One. 2016 Nov 28;11(11):e0167221.| 4. Jorquera PA, et al. J Virol. 2018 Dec 12. pii: JVI.01684-18.

