



Product Information

Product ID V182685

CAS No. 1392136-43-4

Chemical Name (2Z)-3-(3-(3,5-Bis(trifluoromethyl)phenyl)-1H-1,2,4-triazol-1-yl)-N-(pyridin-2-yl)prop-2-enediazide

Synonym KPT-335, 2-Propenoic acid, 3-(3-(3,5-bis(trifluoromethyl)phenyl)-1H-1,2,4-triazol-1-yl)-, 2-(2-pyridinyl)hydrazide, (2Z)-

Formula C₁₈H₁₂F₆N₆O

Formula Wt. 442.33

Melting Point

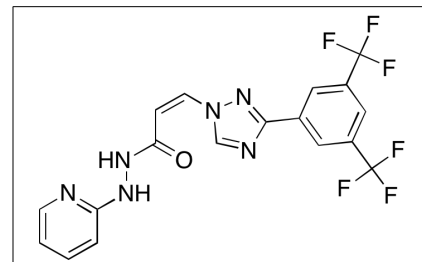
Purity ≥99%

Solubility Insoluble in water. Soluble in DMSO, 80 mg/mL (180 mM).

Store Temp 4°C

Ship Temp Ambient

Description Verdinexor is a selective inhibitor of nuclear transport (SINE) that targets the export protein CRM1 (also known as XPO1). Verdinexor has shown cytotoxic activity in canine non-Hodgkin lymphoma and melanoma cells, including inhibition of proliferation and colony formation, induction of apoptosis, downregulation of CRM1 expression, and modulation of p53 expression. Treatment of BALB/c female mice with verdinexor post-infection with influenza virus was shown to reduce pulmonary pro-inflammatory cytokine expression and moderate leukocyte infiltration. In addition, ferrets treated orally showed reduced lung pathology, virus burden, and inflammatory cytokine expression.
TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V182685	1 mg	\$78.80
V182685	5 mg	\$141.80
V182685	25 mg	\$446.30

References Gravina GL, Senapedis W, McCauley D, et al. Nucleo-cytoplasmic transport as a therapeutic target of cancer. *J Hematol Oncol.* 2014 Dec 5;7:85. PMID: 25476752.

Perwitasari O, Johnson S, Yan X, et al. Antiviral efficacy of verdinexor in vivo in two animal models of influenza A virus infection. *PLoS One.* 2016 Nov 28;11(11):e0167221. PMID: 27893810.

Breit MN, Kisseberth WC, Bear MD, et al. Biologic activity of the novel orally bioavailable selective inhibitor of nuclear export (SINE) KPT-335 against canine melanoma cell lines. *BMC Vet Res.* 2014 Jul 15;10:160. PMID: 25022346.

Perwitasari O, Johnson S, Yan X, et al. Verdinexor, a novel selective inhibitor of nuclear export, reduces influenza A virus replication in vitro and in vivo. *J Virol.* 2014 Sept 1;88(17):10228-10243. PMID: 24965445.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.