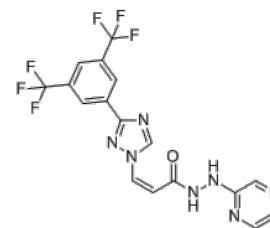


**Product Name** : Selinexor  
**Cat. No.** : PC-35581  
**CAS No.** : 1393477-72-9  
**Molecular Formula** : C<sub>17</sub>H<sub>11</sub>F<sub>6</sub>N<sub>7</sub>O  
**Molecular Weight** : 443.313  
**Target** : Exportin-1 (CRM1,XPO1)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Selinexor (KPT-330, KPT330) is a potent, orally available, selective inhibitor of nuclear export (SINE) targeting **CRM1 (XPO1)**.

Selinexor demonstrates in vivo anti-leukaemic efficacy against T-ALL and acute myeloid leukaemia (AML) cells.

Selinexor triggers nuclear accumulation of multiple CRM1 cargo tumor suppressor proteins followed by growth arrest and apoptosis in MM cells, block c-Myc, Mcl-1, and NF-κB activity.

Selinexor (KPT-330, KPT330) induces proteasome-dependent CRM1 protein degradation, upregulates CRM1, p53-targeted, apoptosis-related, anti-inflammatory and stress-related gene transcripts in MM cells.

## References

Tai YT, et al. *Leukemia*. 2014 Jan;28(1):155-65.

Etchin J, et al. *Br J Haematol*. 2013 Apr;161(1):117-27.

Azmi AS, et al. *Gastroenterology*. 2013 Feb;144(2):447-56.

Walker CJ, et al. *Blood*. 2013 Oct 24;122(17):3034-44.

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

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