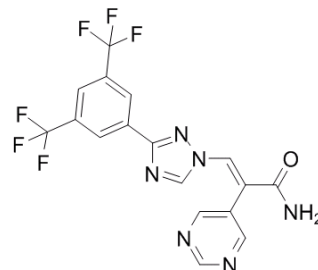


## Data Sheet

<b>Product Name:</b>	KPT-8602
<b>Cat. No.:</b>	HY-100423
<b>CAS No.:</b>	1642300-52-4
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>10</sub> F <sub>6</sub> N <sub>6</sub> O
<b>Molecular Weight:</b>	428.29
<b>Target:</b>	CRM1
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Solubility:</b>	DMSO: 4.72 mg/mL



### BIOLOGICAL ACTIVITY:

KPT-8602 is a second-generation exportin-1 inhibitor, shows similar in vitro potency compared with KPT-330.

In vitro: KPT-8602 induces caspase-dependent apoptosis in a panel of leukemic cell lines in vitro. Using CRISPR/Cas9 genome editing we demonstrate the specificity of KPT-8602 for cysteine 528 in the cargo-binding groove of XPO1 and validate the drug target interaction. [1]

In vivo: KPT-8602 shows potent anti-leukemia activity in a mouse ALL model as well as in patient-derived T- and B-ALL xenograft models without affecting normal hematopoiesis.[1]

### References:

[1]. Vercruyse T et al. The second-generation exportin-1 inhibitor KPT-8602 demonstrates potent activity against acute lymphoblastic leukemia. Clin Cancer Res. 2016 Oct 25.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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