



LKT Laboratories, Inc.

KPT-276

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## Product Information

**Product ID** K624760

**CAS No.** 1421919-75-6

**Chemical Name** (Z)-3-(3-(3,5-bis(trifluoromethyl)phenyl)-1H-1,2,4-triazol-1-yl)-1-(3,3-difluoroazetidin-1-yl)prop-2-en-1-one

**Synonym** KPT276

**Formula** C<sub>16</sub>H<sub>10</sub>F<sub>8</sub>N<sub>4</sub>O

**Formula Wt.** 426.27

**Melting Point**

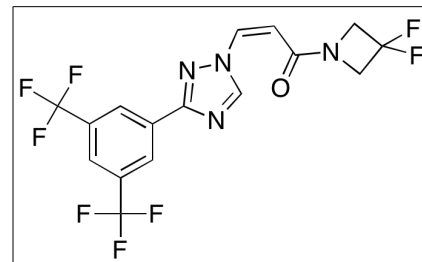
**Purity** ≥99%

**Solubility** DMSO, 20 mg/mL (46.9 mM). Water, Insoluble. Ethanol, Insoluble

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** KPT-276 is a selective inhibitor of nuclear transport (SINE) that targets the export protein CRM1 (also known as XPO1). KPT-276 was shown to suppress tumor growth without major toxic effects in mice with Jeko-1 xenograft. In vivo treatment of human multiple myeloma cell lines was shown to reduce viability of the cells, to reduce levels of c-Myc, CDC25A, and BRD4, and to induce cell cycle arrest.  
TEST!!!!!!



## Pricing and Availability

**Bulk quantities available upon request**

| Product ID | Size  | List Price |
|------------|-------|------------|
| K624760    | 1 mg  | \$89.30    |
| K624760    | 5 mg  | \$173.30   |
| K624760    | 25 mg | \$509.30   |

**References** Han X, Wang J, Shen Y, et al. CRM1 as a new therapeutic target for non-Hodgkin lymphoma. *Leuk Res.* 2015 Jan;39(1):38-46. PMID: 25466285.

Green AL, Ramkissoon SH, McCauley D, et al. Preclinical antitumor efficacy of selective exportin 1 inhibitors in glioblastoma. *Neuro Oncol.* 2015 May; 17(5):697-707. PMID: 25366336.

Schmidt J, Braggio E, Kortuem KM, et al. Genome-wide studies in multiple myeloma identify XPO1/CRM1 as a critical target validated using the selective nuclear export inhibitor KPT-276. *Leukemia.* 2013 Dec;27(12):2357-2365. PMID: 23752175.

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