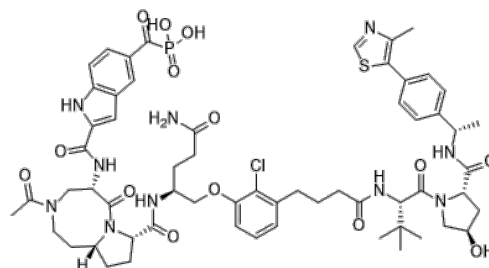


**Product Name** : KT-333  
**Cat. No.** : PC-24047  
**CAS No.** : 2502186-79-8  
**Molecular Formula** : C<sub>60</sub>H<sub>74</sub>ClN<sub>10</sub>O<sub>14</sub>PS  
**Molecular Weight** : 1257.79  
**Target** : PROTAC  
**Solubility** : 10 mM in DMSO



CAS: 2502186-79-8

## Biological Activity

KT-333 (KT333) is a potent, highly specific potent heterobifunctional PROTAC degrader of **STAT3** with DC50 of 2.5 -11.8 nM in anaplastic T cell lymphoma (ALCL) lines.

KT-333 exhibits selective degradation of STAT3 over nearly 9000 proteins, including other STAT family members.

KT-333 treatment led to rapid apoptosis in tumor cells expressing NPM-ALK fusion oncoproteins.

KT-333 induces a significant reduction in STAT3 and MCL1 protein levels within two weeks of treatment in a cell derived xenograft model of Ven-res AML.

## References

Chakraborty S, et al. *bioRxiv* [Preprint]. 2024 Aug 7:2024.08.05.599788.

Phillip CC Liu, et al. *Blood* (2021) 138 (Supplement 1): 1865.

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

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