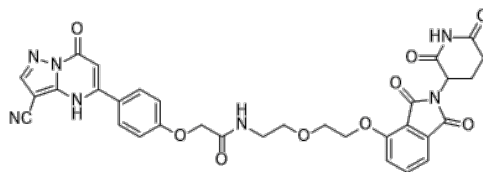


**Product Name** : GT-653  
**Cat. No.** : PC-22356  
**CAS No.** :  
**Molecular Formula** : C<sub>32</sub>H<sub>27</sub>N<sub>7</sub>O<sub>9</sub>  
**Molecular Weight** : 653.61  
**Target** : PROTAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

GT-653 is a potent, selective and effective **KDM5B PROTAC** degrader based on CPI-455, induces **KDM5B** degradation via PROTAC mechanism and ubiquitin proteasome system dependent manner.

GT-653 (0-20 uM) induced KDM5B degradation and H3K4me3 upregulation in 22RV1 cells, significantly degraded the KDM5B with a degradation rate of 68.35 %, does not affect KDM5A or KDM5C with CRBN.

GT-653 induced KDM5B degradation in a ubiquitin proteasome system dependent manner.

GT-653 treatment upregulated interferon (IFN) response genes in prostate cancer.

## References

Tian Guan, et al. *Eur J Med Chem*. 2024 May 10:272:116494.

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

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