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# Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

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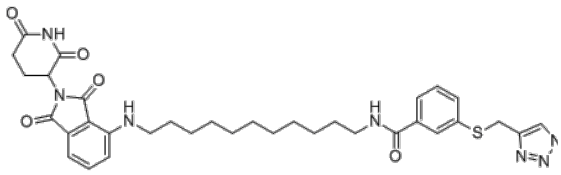
|---|---|---|
| **Product Name** | : | HDAC8 PROTAC 1 |
| **Cat. No.** | : | PC-73287 |
| **CAS No.** | : | |
| **Molecular Formula** | : | $C_{41}H_{46}N_8O_7S$ |
| **Molecular Weight** | : | 794.928 |
| **Target** | : | PROTAC |
| **Solubility** | : | 10 mM in DMSO |



## Biological Activity

HDAC8 PROTAC 1 is a first-in-class proteolysis targeting chimera (PROTAC) for selective degradation of histone deacetylase 8 (**HDAC8**) with DC50 of 0.7 uM in T-cell leukemia Jurkat cells.
HDAC8 PROTAC 1 does not influence the levels of HDAC1, HDAC2, and HDAC6.
HDAC8 PROTAC 1 strongly inhibits Jurkat cell growth with a GI50 value of 0.78 μM
HDAC8 PROTAC 1 induced degradation of HDAC8 without affecting the levels of other HDACs in cellular assays, and inhibited the growth of T-cell leukemia Jurkat cells more potently than a conventional HDAC8 inhibitor.
HDAC8 PROTAC 1 degrades HDAC8 via PROTAC-mediated UPS

## References

Jiranan Chotitumnavee, et al. **Chem Commun (Camb)**. 2022 Apr 7;58(29):4635-4638.



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