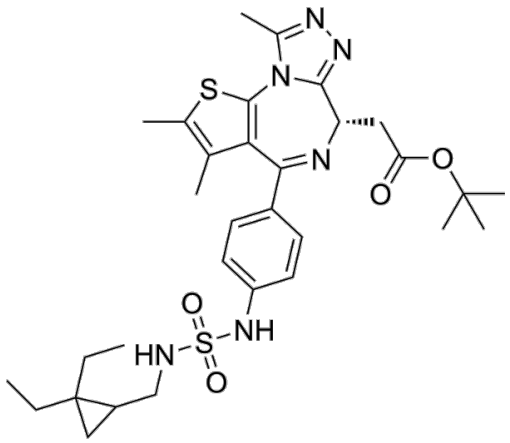
Product Data Sheet

Product Name: dHTC3
Cat. No.: GC80931

Chemical Properties

Cas. No.			
Formula	$C_{31}H_{42}N_6O_4S_2$	M.Wt	626.83
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

dHTC3 is a selective BRD4 molecular glue degrader. dHTC3 selectively binds to BRD4 BD1 to form a BRD4-dHTC3 complex, which cooperatively recruits the SCF FBXO3 E3 ubiquitin ligase and mediates the degradation of BRD4 via the ubiquitin-proteasome pathway. dHTC3 induces proteasome- and CRL-dependent BRD4 degradation with no hook effect. dHTC3 can be used in related research on acute myeloid leukemia [1].

In Vitro, dHTC3 (1 nM-100 μM; 12-16 h) degrades BRD4 in MV4;11 BRD4-HiBiT cells, and

pretreatment with JQ1, MLN4924, and Carfilzomib blocks this degradation[1]. dHTC3 does not exhibit the hook effect in both BRD4 degradation and ternary complex formation assays[1]. dHTC3 (1 nM-100 μM; 1-16 h) selectively degrades BRD4 in MV4;11, HEK293T and NALM6 cells via SCFFBXO3 mediation, and its degradation activity is completely abolished after FBXO3 knockout[1].

References:

[1]. Shaum J B, et al. High-throughput ligand diversification to discover chemical inducers of proximity[J]. Nature chemical biology, 2026: 1-13.