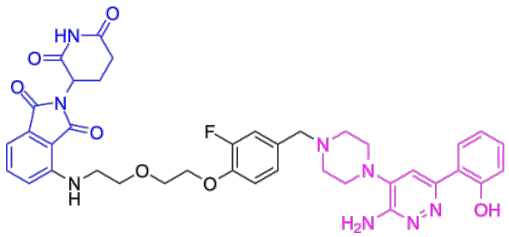
Product Data Sheet

Product Name: YD23
Cat. No.: GC73437

Chemical Properties

Cas. No.	2951015-29-3		
Formula	$C_{38}H_{39}FN_8O_7$	M.Wt	738.76
Solubility	DMSO : 100 mg/mL (135.36 mM; Need ultrasonic)	Storage	-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

YD23 is a SMARCA2 PROTAC. YD23 induces degradation of SMARCA2, which is synthetic lethal to SMARCA4. Moreover, YD23 decreases chromatin accessibility at enhancers of a number of genes

including cell cycle and cell growth regulatory genes. YD23 reduces chromatin accessibility only in SMARCA4 deficient cells mechanistically.

References:

[1]. Kotagiri S, et al. Novel SMARCA2 degrading bifunctional molecules as therapeutics in SMARCA4 mutant lung cancer[J]. Cancer Research, 2023, 83(7_Supplement): 1138-1138.
[2]. Kotagiri S, et al. Enhancer reprogramming by novel SMARCA2 degrading PROTACs underlies therapeutic utility in SMARCA4 mutant tumors[J]. Cancer Research, 2023, 83(7_Supplement): 6289-6289.

Caution: Product has not been fully validated for medical applications. For research use only.
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