

## Product Data Sheet

Product Name: YD23  
Cat. No.: GC73437

### Chemical Properties

Cas. No. 2951015-29-3

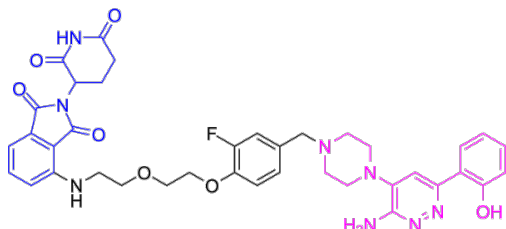
Formula  $C_{38}H_{39}FN_8O_7$  M.Wt 738.76

Solubility DMSO : 100 mg/mL (135.36 mM; Storage -20°C  
Need ultrasonic)

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

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

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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.

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