# dTAG-47

**Cat. No.:** HY-147098

**CAS No.:** 2265886-81-3

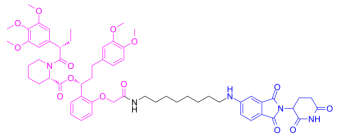
**Molecular Formula:** $C_{59}H_{73}N_5O_{14}$

**Molecular Weight:** 1076.24

**Target:** PROTACs; FKBP

**Pathway:** PROTAC; Apoptosis; Autophagy; Immunology/Inflammation

**Storage:** -20°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 100 mg/mL (92.92 mM; Need ultrasonic)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 0.9292 mL | 4.6458 mL | 9.2916 mL |
| | 5 mM | 0.1858 mL | 0.9292 mL | 1.8583 mL |
| | 10 mM | 0.0929 mL | 0.4646 mL | 0.9292 mL |

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

**Description**

dTAG-47, heterobifunctional dTAG molecule, targets mutant FKBP12 (FKBP12$^{F36V}$). FKBP12$^{F36V}$ serves as a degradation tag (dTAG) and is fused to a protein of interest. dTAG-47 can be used for the research of basal-like breast cancers (BBC)[1].

## REFERENCES

[1]. Hai-Tsang Huang, et al. MELK is not necessary for the proliferation of basal-like breast cancer cells. Elife. 2017 Sep 19;6:e26693.



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