# PROTAC BRD9-binding moiety 1 hydrochloride

**Cat. No.:** HY-107445A

**CAS No.:** 2448414-41-1

**Molecular Formula:** $C_{23}H_{26}ClN_3O_7S_2$

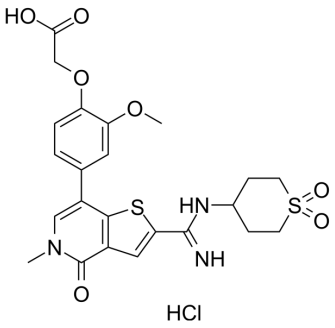
**Molecular Weight:** 556.05

**Target:** Ligands for Target Protein for PROTAC

**Pathway:** PROTAC

**Storage:** 4°C, sealed storage, away from moisture

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




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 20.83 mg/mL (37.46 mM; Need ultrasonic)

$H_2O$ : 2.5 mg/mL (4.50 mM; Need ultrasonic)

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 1.7984 mL | 8.9920 mL | 17.9840 mL |
| 5 mM | 0.3597 mL | 1.7984 mL | 3.5968 mL |
| 10 mM | 0.1798 mL | 0.8992 mL | 1.7984 mL |

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

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description**

PROTAC BRD9-binding moiety 1 hydrochloride is a compound that binds to BRD9, and used for inhibiting BRD9 activity, based on PROTAC.

## REFERENCES

[1]. Remillard D, et al. Degradation of the BAF Complex Factor BRD9 by Heterobifunctional Ligands. Angew Chem Int Ed Engl. 2017 May 15;56(21):5738-5743.

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

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