# Data Sheet (Cat.No.T208182)

TargetMol

AGB1

## Chemical Properties

CAS No. :

Formula: C51H63ClN8O9S2

Molecular Weight:

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

## Biological Description

| | |
|---|---|
| Description | AGB1 is a highly selective and potent B&H-PROTAC degrader. It degrades Ab:Brd4BD2 L387A and Ab:BromoTag-Brd2 with pDC50 values of 7.8 and 7.9, respectively. AGB1 has an affinity for VHL with a Kd of 125 nM. In mice, AGB1 exhibits favorable pharmacokinetic properties [DC50, 6 h approximately 13 nM]. |
| Targets(IC50) | Others,PROTACs |
| In vitro | AGB1 establishes a robust, cooperative ternary complex with VHL and BromoTag (Brd4 BD2 L387A), and it effectively degrades BromoTagged target proteins with high nanomolar potency and remarkable selectivity over wild-type BET proteins across the proteome. AGB1 demonstrates no cytotoxicity in various cancer-relevant cell lines, highlighting its exceptional selectivity compared to off-target endogenous BET proteins. |
| In vivo | AGB1 demonstrates excellent plasma stability and an acceptable pharmacokinetic (PK) profile in mice, evidenced by favorable PK characteristics following both 5 mg/kg intravenous (IV) and subcutaneous (SC) injections. After IV administration, AGB1 shows a short elimination half-life of 1.49 hours in mice, attributed to its relatively low clearance rate of 47.2 mL/min/kg. Similarly, SC injection results in a short elimination half-life of 1.65 hours, with a C max of 0.700 μM and T max of 0.500 hours. Furthermore, AGB1 maintains a plasma concentration above its BromoTag-Brd2 DC 50, approximately 13 nM, for about 4 hours with IV injection and for over 8 hours with SC injection at a 5 mg/kg dose. |



Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481