TMX1

Cat. No.: HY-153385

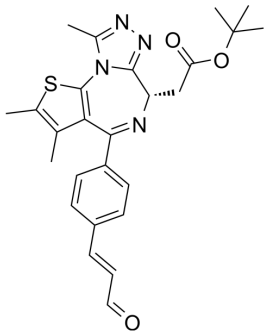
Molecular Formula: $C_{26}H_{28}N_4O_3S$

Molecular Weight: 476.59

Target: Epigenetic Reader Domain; Apoptosis

Pathway: Epigenetics; Apoptosis

Storage: 4°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 (209.82 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	2.0982 mL	10.4912 mL	20.9824 mL
5 mM	0.4196 mL	2.0982 mL	4.1965 mL
10 mM	0.2098 mL	1.0491 mL	2.0982 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: ≥ 2.5 mg/mL (5.25 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (5.25 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TMX1 is a BRD4 covalent molecular glue degrader. TMX1 selectively recruits DCAF16 to BRD4BD2, resulting in the degradation of BRD4[1].

REFERENCES

[1]. Li Y D, et al. Template-assisted covalent modification of DCAF16 enables BRD4 molecular glue degraders[J]. Cancer Research, 2023, 83(7_Supplement): 3424-3424.

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

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