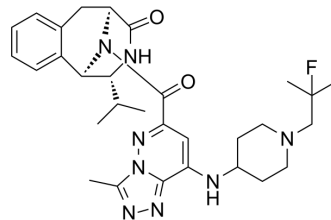


AZ13824374

| | |
|---------------------------|--|
| Cat. No.: | HY-136521 |
| Molecular Formula: | C ₃₀ H ₃₉ FN ₈ O ₂ |
| Molecular Weight: | 562.68 |
| Target: | Epigenetic Reader Domain |
| Pathway: | Epigenetics |
| 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 : ≥ 200 mg/mL (355.44 mM)

* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|-----------------------|------|-----------|-----------|------------|
| | | | | | |
| | 1 mM | | 1.7772 mL | 8.8860 mL | 17.7721 mL |
| | 5 mM | | 0.3554 mL | 1.7772 mL | 3.5544 mL |
| | 10 mM | | 0.1777 mL | 0.8886 mL | 1.7772 mL |

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 5 mg/mL (8.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AZ13824374 is a highly potent and selective ATAD2 bromodomain inhibitor which shows cellular target engagement and antiproliferative activity in a range of breast cancer models. AZ13824374 inhibits ATAD2 with pIC₅₀s of 8.2 and 6.2 in ATAD2 FRET assay and ATAD2 NanoBRET assay, respectively^[1].

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

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