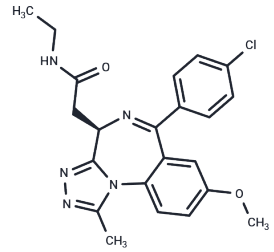
# Data Sheet (Cat.No.T11472)

TargetMol
YOUR TARGET MOLECULES

GSK 525768A

## Chemical Properties



CAS No. : 1260530-25-3

Formula: C22H22ClN5O2

Molecular Weight: 423.9

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## Biological Description

| | |
|---|---|
| Description | GSK 525768A, the inactive enantiomer of GSK525762A, exhibits no activity towards BET. |
| Targets(IC50) | Others |
| In vitro | GSK 525768A interacts with the protein's module by establishing hydrogen bonds with the conserved asparagine residue, effectively mimicking the acetylated lysine's binding mechanism. This interaction leads to the compound's binding deeper within the acetylated lysine's binding site, all the while preserving the position of conserved water molecules in the acetyl-lysine binding cavity's base. GSK 525768A exhibits no activity towards BET and is identified as the (R)-enantiomer of GSK525762A. Contrasting its counterpart, GSK525762A, which influences the regulation of apolipoprotein A1 (APOA1) levels in liver cell assays, GSK 525768A does not impact APOA1 release, highlighting a distinctive functional divergence between the two enantiomers. |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 100 mg/mL (235.90 mM),<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.359 mL | 11.7952 mL | 23.5905 mL |
| 5 mM | 0.4718 mL | 2.359 mL | 4.7181 mL |
| 10 mM | 0.2359 mL | 1.1795 mL | 2.359 mL |
| 50 mM | 0.0472 mL | 0.2359 mL | 0.4718 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Nicodeme E, et al. Suppression of inflammation by a synthetic histone mimic. Nature. 2010 Dec 23;468(7327): 1119-23.



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