

Catalog Number: CM03968

## 产品信息

**Catalog Number:**  
CM03968

**CAS号:**  
1300031-52-0

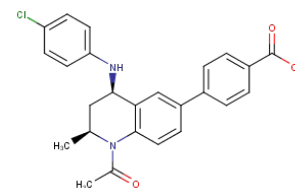
**分子式:**  
C<sub>25</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>3</sub>

**主要靶点:**  
Apoptosis|Epigenetic Reader  
Domain

**主要通路:**  
凋亡|表观遗传

**分子量:**  
434.91

**溶解度:**  
DMSO:80 mg/mL (183.9 mM),H<sub>2</sub>O:  
<1 mg/mL,Ethanol:80 mg/mL  
(183.9 mM)



## 靶点活性

BRD2:41 nM|BRD3:31 nM|BRD4:22 nM

## 体外活性

在小鼠SK-N-AS和CHP-212模型中,GSK1324726A (15 mg/kg o.p.)抑制肿瘤生长,并下调MYCN和BCL2的表达.在小鼠感染性休克模型中,GSK1324726A (10 mg/kg i.v.)表现出有效的抗炎作用,并防止患病动物的死亡.

## 体内活性

在神经母细胞瘤细胞系中,GSK1324726A抑制细胞生长并诱导细胞毒性。GSK1324726A能够调节MYC家族通路的基因表达,包括BCL2和MYCN的直接表达。

## 细胞实验

Briefly, cells are seeded into 384-well or 96-well plates at a density optimized for 6 days of growth. The following day, T<sub>0</sub> measurements are taken using CellTiter-Glo, CellTiter-Fluor, or CyQuant Direct, following the manufacturer's instructions. Plates are read on an Envision, Safire 2, or SpectraMax Gemini EM plate reader. Remaining plates are treated with DMSO or a titration of I-BET726. Cells are incubated for 6 days and developed as described above. Results are plotted as a percentage of the T<sub>0</sub> value, normalized to 100%, versus concentration of compound. A 4-parameter equation is used to generate concentration response curves. Growth IC<sub>50</sub> (gIC<sub>50</sub>) values are calculated at the mid-point of the growth window (between DMSO and T<sub>0</sub> values). Y<sub>min</sub>-T<sub>0</sub> values are calculated by subtracting the T<sub>0</sub> value (100%) from the Y<sub>min</sub> value on the curve, and are a measure of net population cell growth or death.(Only for Reference)

## 描述

GSK1324726A is a greatly specific inhibitor of BET family proteins for BRD2(IC<sub>50</sub>=41 nM), BRD3(IC<sub>50</sub>=31 nM), and BRD4 (IC<sub>50</sub>=22 nM).

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years