

Catalog Number: CM04268

### 产品信息

**Catalog Number:**  
CM04268

**CAS号:**  
314045-39-1

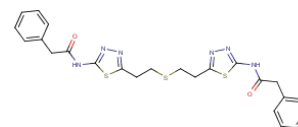
**分子式:**  
C<sub>24</sub>H<sub>24</sub>N<sub>6</sub>O<sub>2</sub>S<sub>3</sub>

**主要靶点:**  
Glutaminase|transporter

**主要通路:**  
代谢|蛋白酶体

**分子量:**  
524.68

**溶解度:**  
DMSO:10.5 mg/mL (20 mM)



### 靶点活性

Glutaminase GLS1 (KGA):0.16 μM

### 体外活性

BI-9564 with EC<sub>50</sub> of 800 nM. BRD7 implied as a tumor suppressor and is down-regulated in cancer cells, BI-9564 shows K<sub>d</sub> of 73 nM for it, and is >10-fold more selective for BRD9 over the high homologues bromodomain. BI-9564 (<5 μM) shows no activity against 324 kinases, when BI-9564 at 10 μM, an inhibition >40% is observed for only 2 out of 55 GPCRs.

### 体内活性

In LAP/MYC mice, BPTES (12.5 mg/kg, i.p.) prolongs survival with no significant effects on MYC, GLS, or GLS2 levels. BPTES (200 μg/mouse, i.p.) also inhibits tumor cell growth in mice harboring P493 tumor xenografts. [3]

### 细胞实验

BPTES is dissolved in DMSO. Cells are plated at a density of 500 cells/well in a 96-well black clear bottom plate. At 24 hrs, media is changed to the appropriate media (DMEM with 4.5 g/L, 1.5 g/L or 0.1 g/L glucose, 10% FBS, penicillin/streptomycin, and 4 mM glutamine with or without doxycycline). 48 hours after plating, compounds or DMSO are added. Media and alamarBlue is added to a volume of 200 μL in each well. Fluorescence is measured at 48 hrs or 72 hrs (EGCG) using a Victor3 plate-reader.

### 描述

BPTES (IC<sub>50</sub> of 0.16 μM) is an effective and specific Glutaminase GLS1 (KGA) inhibitor.

### 储存

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