

Catalog Number: CM11658

## 产品信息

**Catalog Number:**  
CM11658

**CAS号:**  
2893778-31-7

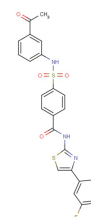
**分子式:**  
 $C_{24}H_{18}FN_3O_4S_2$

**主要靶点:**  
Dehydrogenase

**主要通路:**  
代谢

**分子量:**  
495.55

**溶解度:**  
DMSO:90.0 mg/mL (181.6 mM), ultrasonic and warming and heat to 70°C



## 靶点活性

PHGDH:2.8  $\mu$  M|PHGDH:2.33  $\mu$  M

## 体外活性

PHGDH-IN-3 (compound D8) has good enzymatic inhibitory activity with an IC<sub>50</sub> value of 2.8  $\mu$  M.[1] PHGDH-IN-3 has a high binding affinity for PHGDH protein with a K<sub>d</sub> value of 2.33  $\mu$  M.[1] PHGDH-IN-3 is sensitive to cell lines with amplified or overexpressed PHGDH genes.[1] PHGDH-IN-3 restricts the de novo synthesis of serine from glucose in MDA-MB-468 cells.[1]

## 体内活性

PHGDH-IN-3 (compound D8) (1, 3 mg/kg; p.o., i.v.; ) exhibits excellent in vivo pharmacokinetic properties.[1] PHGDH-IN-3 (12.5, 25, 50 mg/kg; i.p.; once daily for 31 days) exerted significant antitumor effects in a PC9 xenograft mouse model.[1]

## 描述

PHGDH-IN-3 is an orally active phosphoglycerate dehydrogenase (PHGDH) inhibitor with an IC<sub>50</sub> of 2.8  $\mu$  M against PHGDH. PHGDH-IN-3 can be used in studies about cancer.

## 储存