

Catalog Number: CM04694

## 产品信息

**Catalog Number:**  
CM04694

**CAS号:**  
1432660-47-3

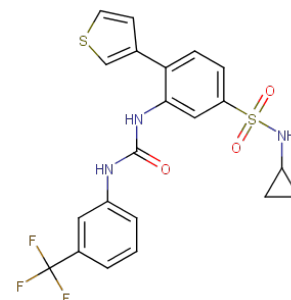
**分子式:**  
 $C_{21}H_{18}F_3N_3O_3S_2$

**主要靶点:**  
Isocitrate Dehydrogenase (IDH)|Dehydrogenase

**主要通路:**  
代谢|代谢

**分子量:**  
481.51

**溶解度:**  
DMSO:89 mg/mL (184.8 mM); Ethanol:89 mg/mL (184.8 mM); H<sub>2</sub>O:< 1 mg/mL (insoluble or slightly soluble)



## 靶点活性

IDH2 (R140Q):23 nM

## 体内活性

AGI-6780逆转TF-1细胞中IDH2/ R140Q诱导的分化阻滞,并诱导原发性人类IDH2/R140Q AML患者样品中的急剧分化。AGI-6780有效降低异位过表达IDH2/R140Q的细胞系中的(R)-2-羟基戊二酸(2 hG)水平,EC 50为20 nM,与其他脱氢酶相比,具有优异的选择性。

## 细胞实验

AGI-6780 is dissolved in DMSO and stored, and then diluted with appropriate media before use[1]. Cells are sorted from fresh or frozen bone marrow aspirates and blood samples after labelling with PE-CD34, APC-CD38, PE-CD14, FITC-CD3 (clone HIT3a) and PECy7-CD19 (clone SJ25C1) antibodies using a MoFlow cell sorter. Unfractionated nucleated blood or bone marrow cells are plated in Methocult H4434 methylcellulose medium at 104 cells/dish, in duplicate dishes per condition. AGI-6780 (5 mM) is directly added to the medium. Dishes are incubated in a humidified incubator at 37°C and colonies containing at least 30 cells are counted after 13 days[1].

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.