

Catalog Number: CM04524

## 产品信息

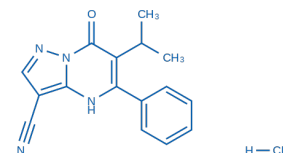
Catalog Number:  
CM04524CAS号:  
2095432-28-1分子式:  
C<sub>16</sub>H<sub>15</sub>ClN<sub>4</sub>O主要靶点:  
Histone Demethylase主要通路:  
Epigenetics分子量:  
314.7695

MDL NO:

Pubchem ID:  
129896721.0

溶解度:

DMSO	100 mg/mL
Water	insoluble



## 靶点

Target	Activity
KDM5A	IC50=10nM

## 动物研究

剂量:

Mice: 50 mg/kg, 70 mg/kg<sup>[2]</sup> (i.p.)

给药途径:

i.p.

## 描述

CPI-455 Hydrochloride is the hydrochloride form of CPI-455. CPI-455 is a specific KDM5 inhibitor with IC<sub>50</sub> value of 10nM for inhibition of full-length KDM5A in enzymatic assays. CPI-455-mediated KDM5 inhibition resulted in a dose-dependent increase in global H3K4me3 in HeLa cells. Also it induced a time-dependent increase in H3K4me3 that was detected only after 2 or more days of treatment. The elevation of H3K4 trimethylation mediated by this inhibition of KDM5 by CPI-455 decreased the number of drug-tolerant state in multiple cancer cell line models treated with standard chemotherapy or targeted agents.

## 储存

储存条件:

粉末	-20°C	3年
液体	-80°C	1年

运输条件:

Shipped in cold pack

## 参考文献

- 1 Vinogradova M, Gehling VS, et al. An inhibitor of KDM5 demethylases reduces survival of drug-tolerant cancer cells. Nat Chem Biol. 2016 Jul;12(7):531-8.
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