

Catalog Number: CM04417

## 产品信息

**Catalog Number:**  
CM04417

**CAS号:**  
1403783-31-2

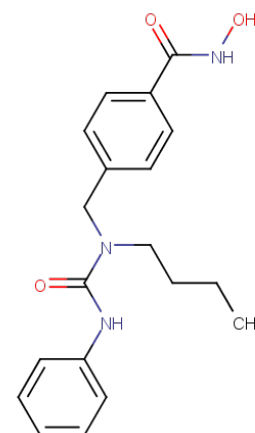
**分子式:**  
C<sub>19</sub>H<sub>23</sub>N<sub>3</sub>O<sub>3</sub>

**主要靶点:**  
HDAC

**主要通路:**  
表观遗传|DNA 损伤和修复

**分子量:**  
341.4

**溶解度:**  
Ethanol:2 mg/mL (5.85 mM);H<sub>2</sub>O:  
< 1 mg/mL (insoluble or slightly  
soluble);DMSO:63 mg/mL (184.5  
mM)



## 靶点活性

HDAC6:5 nM

## 体内活性

Nexturastat A对B16鼠黑色素瘤细胞的生长有显著抑制作用（GI<sub>50</sub>: 14.3 μM）。在B16鼠黑色素瘤细胞中,Nexturastat A剂量依赖性增加乙酰化的α-微管蛋白水平,但不影响组蛋白H3乙酰化伴随的肿瘤。

## 细胞实验

B16 murine melanoma cells are plated at 5000/well in 96 well flat bottom plates. The following day, media is changed to that containing various concentrations of HDACi or matched DMSO vehicle concentrations diluted in complete medium done in triplicate. Cells are incubated for 48 hours at 37°C and 5% CO<sub>2</sub>. Density of viable, metabolically active cells is quantified using a standard MTS assay as per manufacturer's instructions. Briefly, 20 μL of reagent are added per well and incubated at 37°C for 3 hours. Absorbances at 490 nM are measured spectrophotometrically with background subtraction at 690 nM. All values are then normalized and expressed as a percentage of medium control (100%). (Only for Reference)

## 储存

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