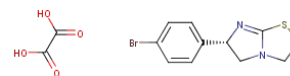


Catalog Number: CM05892

## 产品信息

Catalog Number:  
CM05892CAS号:  
62284-79-1分子式:  
 $C_{13}H_{13}BrN_2O_4S$ 主要靶点:  
Phosphatase|Phosphorylase主要通路:  
代谢|代谢分子量:  
373.22

溶解度:

Ethanol:< 1 mg/mL (insoluble or slightly soluble); H<sub>2</sub>O:28 mg/mL (75 mM); DMSO:60 mg/mL (160.76 mM)

## 体外活性

Aurora A Inhibitor I is a 2,4-dianilinopyrimidine that selectively and potently inhibits Aurora A. Aurora A Inhibitor I effectively inhibits the proliferation of HCT116 and HT29 cells, with IC<sub>50</sub> of 190 nM and 2.9  $\mu$ M, respectively. The Aurora A selectivity of Aurora A Inhibitor I against Aurora B depends on a single amino acid (Thr217) of Aurora A. [1] In KCL-22 cells, Aurora A Inhibitor I (1-5  $\mu$ M) increases G2/M cell fraction, induces histone H3 serine 10 phosphorylation, and suppresses mitotic Aurora A autophosphorylation on Thr288. Aurora A Inhibitor I (0.5-5  $\mu$ M) also suppresses cell proliferation in KCL-22 cells, as well as BCR-ABL-negative leukemia cell lines KG-1 and HL-60. Aurora A Inhibitor I effectively induces apoptosis in KCL-22 cells at 5  $\mu$ M. [2] In a recent study, Aurora A Inhibitor I is also found to inhibit cell growth of HCT116, HT29, and HeLa cells, with IC<sub>50</sub> of 377.6 nM, 5.6  $\mu$ M, and 416 nM. [3]

## 储存

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