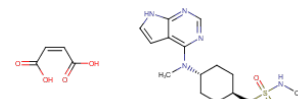


Catalog Number: CM04902

## 产品信息

Catalog Number:  
CM04902CAS号:  
1640292-55-2分子式:  
 $C_{15}H_{23}N_5O_2S \cdot C_4H_4O_4$ 主要靶点:  
Tyrosine Kinases|JAK主要通路:  
JAK/STAT信号通路|干细胞|表观遗传|蛋白酪氨酸激酶|血管生成分子量:  
453.51溶解度:  
DMSO:83 mg/mL (183 mM), Ethanol:83 mg/mL (183 mM), H<sub>2</sub>O:15 mg/mL (33.1 mM)

## 靶点活性

JAK1-dependent:36 to 249 nM|JAK family members:10 to 99 nM

## 体外活性

PF-03394197 inhibits JAK family members by 50% at concentrations ranging from 10 to 99 nM and does not inhibit a panel of 38 non-JAK kinases. PF-03394197 is most potent at inhibiting JAK1. PF-03394197 also inhibits the function of JAK1-dependent cytokines involved in allergy and inflammation as well as pruritus. PF-03394197 has minimal effects on cytokines which does not activate the JAK1 enzyme in cells[1].

## 体内活性

PF-03394197 administered orally at a dose of 0.4–0.6 mg/kg twice daily is safe and efficacious in controlling the pruritus associated with allergic dermatitis. PF-03394197 provides itch relief within 24 h that persists through the treatment period, with over 70% of the treated dogs achieving a >50% reduction in pruritus by day 7[2].

## 描述

Oclacitinib is a novel inhibitor of JAK family members with IC<sub>50</sub> ranging from 10 to 99 nM and JAK1-dependent cytokines with IC<sub>50</sub> ranging from 36 to 249 nM, which did not inhibit a panel of 38 non-JAK kinases.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years