

Catalog Number: CM10486

## 产品信息

**Catalog Number:**  
CM10486

**CAS号:**  
1101810-02-9

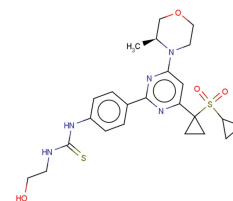
**分子式:**  
C<sub>24</sub>H<sub>31</sub>N<sub>5</sub>O<sub>4</sub>S<sub>2</sub>

**主要靶点:**  
mTOR

**主要通路:**  
PI3K/Akt/mTOR信号通路

**分子量:**  
517.66

**溶解度:**  
Hydrochloride acid:100  
nM,DMSO:46.8 mg/mL (90.5  
mM),Ethanol:1 mg/mL



## 体外活性

In NIH3T3 cells, AZD3147 (1.5-50 nM) alleviates FGF-mediated cilia extension[2]. AZD3147 inhibits cell viability of neuroblastoma cell lines Kelly (IC<sub>50</sub> = 0.88 nM) and IMR-32 (IC<sub>50</sub> = 662.4 nM)[3].

## 体内活性

AZD3147 shows a CL of 78 mL/min/kg, a V<sub>ss</sub> of 2.3 L/kg, a t<sub>1/2</sub> of 0.9 h and an F of 61% in mice[1].

## 描述

AZD 3147 is an inhibitor of mTORC with IC<sub>50</sub>s of 40.7 and 5.75 nM for mTORC1 and mTORC2. AZD 3147 shows IC<sub>50</sub>s of 912, 5495, 9333, and 6310 nM for PI3K $\alpha$ , PI3K $\beta$ , PI3K $\delta$ , and PI3K $\gamma$ , respectively.

## 储存

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