For Research Use Only

# VTX-27

www.ptgcn.com

## Catalog Number: CM06025

### 产品信息

**Catalog Number:**
CM06025

**CAS号:**
1321924-70-2

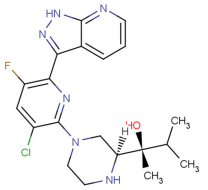
**分子式:**
$C_{20}H_{24}ClFN_6O$

**主要靶点:**
PKC

**主要通路:**
表观遗传|细胞骨架

**分子量:**
418.9

**溶解度:**
DMSO:125 mg/mL (298.40 mM),Sonification is recommended.



### 靶点活性

PKC δ:16 nM (ki)|PKC θ:0.08 nM (ki)|PKC α:356 nM (ki)

### 体外活性

It has also been found that VTX-27 has good selectivity to other PKC family members, especially the classic isoforms (except for PKC βI, >1000 times, 200 times) and atypical isoforms (>10000 times). As expected, it is more challenging to obtain selectivity for more closely related novel PKC family members, which is 200 times more selective than PKC δ.

### 体内活性

VTX-27 shows the best PK profile with low clearance (7 mL/min/kg), good oral bioavailability (65%), and long half-life (4.7 h). A single dose of VTX-27 is administered orally at 6.25, 12.5, 25, and 50 mg/kg (e.g., at 25 mg/kg Cmax concentration 700 ng/mL) and demonstrates potent dose-dependent inhibition of IL-2 production.

### 描述

VTX-27 is a selective inhibitor of protein kinase C θ (PKC θ) (Kis: 0.08 nM and 16 nM for PKC θ and PKC δ).

### 储存

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