

Catalog Number: CM04723

### 产品信息

**Catalog Number:**  
CM04723

**CAS号:**  
1186195-62-9

**分子式:**  
C<sub>28</sub>H<sub>30</sub>ClN<sub>5</sub>OS

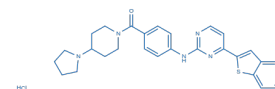
**主要靶点:**  
IKK

**主要通路:**  
NF-κB

**分子量:**  
520.0887

**MDL NO:**  
MFCD09971091

**Pubchem ID:**  
56972179.0



### 靶点

Target	Activity
IKK	IC50 = 40 nM

### 描述

IκB kinase (IKK) has emerged as a promising target for the development of novel anti-inflammatory and anti-rheumatic drugs. IKK 16 is an IKK inhibitor with IC<sub>50</sub> values of 40, 200, and 70nM for IKK2, IKK1, and IKK complex<sup>[1]</sup>. It also inhibits leucine-rich repeat kinase-2 with an IC<sub>50</sub> value of 50nM<sup>[2]</sup>. The administration of IKK 16 (30mg/kg, s.c.; or 30mg/kg, p.o.) one hour prior to LPS challenge resulted in significant inhibition of TNF α into the plasma of rats (86% and 75%, respectively). IKK 16 at a dose of 10mg/kg (s.c.) also led to 50% inhibition of neutrophil extravasation in a mouse model of thioglycollate-induced peritonitis<sup>[1]</sup>.

### 储存

**储存条件:**

粉末	-20°C	3年
液体	-80°C	1年

**运输条件:**

Shipped in cold pack

## 参考文献

- 1 Waelchli R, Bollbuck B, Bruns C, Buhl T, Eder J, Feifel R, Hersperger R, Janser P, Revesz L, Zerwes HG, Schlapbach A. Design and preparation of 2-benzamido-pyrimidines as inhibitors of IKK. *Bioorg Med Chem Lett*. 2006 Jan 1;16(1):108-12. doi: 10.1016/j.bmcl.2005.09.035
- 2 Hermanson SB, Carlson CB, Riddle SM, Zhao J, Vogel KW, Nichols RJ, Bi K. Screening for novel LRRK2 inhibitors using a high-throughput TR-FRET cellular assay for LRRK2 Ser935 phosphorylation. *PLoS One*. 2012;7(8):e43580. doi: 10.1371/journal.pone.0043580

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