For Research Use Only

# PJ34 hydrochloride

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## Catalog Number: CM05757

## 产品信息

**Catalog Number:**
CM05757

**CAS号:**
344458-15-7

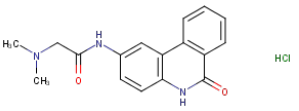
**分子式:**
$C_{17}H_{18}ClN_3O_2$

**主要靶点:**
PARP

**主要通路:**
表观遗传|DNA 损伤和修复

**分子量:**
331.8

**溶解度:**
DMSO:50 mg/mL (150.69 mM);H2O:33.2 mg/mL (100.06 mM)



## 靶点活性

PARP:20 nM(EC50)

## 体外活性

在MBP免疫的PLSJL小鼠中,PJ34部分抑制脊髓组织中TNF-α和ICAM-1的表达,抑制EAE的临床体征的发展.在全身性内毒素血症模型中,PJ34能够减低血浆TNF-α,IL-1β和亚硝酸盐/硝酸盐的含量. 在非肥胖糖尿病小鼠中,强饲口服PJ34能够抑制硫酸葡聚糖结肠炎反应.

## 体内活性

在过氧亚硝酸盐诱导的细胞中（EC 50=20 nM）,PJ34能够抑制细胞坏死的发生。

## 细胞实验

PJ34 is dissolved in 100% DMSO at 10 mM and then diluted in DMEM without serum[1]. PC12 cell cultured are grown in Dulbecco's modified Eagle's medium supplemented with 5% (v/v) fetal calf serum, 5% (v/v) horse serum, and a 1% (v/v) penicillin-streptomycin antibiotics mixture. Cells are grown in an atmosphere of 95% air and 5% CO2 at 37°C. For all experiment, cells are seeded at a density of 4×104 cells/well in 96-well culture plates and allowed to attach overnight. For assessment of cell viability, hydrogen peroxide-induced cytotoxicity is quantified by a standard measurement of LDH release with the use of the LDH assay kit. Briefly, 6 h after hydrogen peroxide exposure, 20 μL of medium of each well is collected, and the solution prepared from LDH assay kit is added. After incubation at room temperature for 30 min, the reaction is stopped by addition of 1 N HCl, and absorbance is measured at 450 nm using a microplate reader.

## 储存

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