



## PR-619

货号: P3807

储存条件: 粉末-20°C 可保存 3 年; 液体-80°C 可保存 12 月。

### 产品描述

Deubiquitinating enzymes (DUBs) remove ubiquitin from their substrates and, together with ubiquitin ligases, play an important role in the regulation of protein expression. PR-619 is a broad-range UDB inhibitor that led to cell morphological changes, the upregulation of HSPs and accumulation of ubiquitinated protein species. PR-619 exhibits concentration dependent cytotoxicity in very narrow concentration range of 7 - 10  $\mu$ M to OLN 93 cells. Treatment with 9  $\mu$ M PR-619 causes an increase in the abundance of ubiquitinated protein, and proteasomal activity reduce to 50% within 24 h. PR-619 promotes the association of tau, ubiquitin and p62 with microtubules and alter their solubility. In addition, Treatment with the PR-619 increased caspase-8 ubiquitination and caspase-8 enzymatic activity and sensitized normal fibroblasts to TRAIL-mediated apoptosis. In vivo, administered daily with 100  $\mu$ g PR-619 improves renal histopathological changes in mice with unilateral ureteral obstruction. Administration of PR-619 also attenuated renal fibrosis with downregulation of mesenchymal markers, extracellular matrix proteins, matrix metalloproteinases, apoptosis, macrophage infiltration, and the TGF- $\beta$ 1 mRNA level.

### 靶点:

DUB

EC50:1-20 $\mu$ M

储存液制备	质量	1 mg	5 mg	10 mg
	1 mM	1.4580 mL	7.2898 mL	14.5796 mL
	5 mM	0.2916 mL	1.4580 mL	2.9159 mL



	10 mM	0.1458 mL	0.7290 mL	1.4580 mL
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产品性质

CAS号	2645-32-1	
分子式	C <sub>7</sub> H <sub>5</sub> N <sub>5</sub> S <sub>2</sub>	
分子量	223.28	
溶解度	DMSO	22.0 mg/mL (98.5 mM) warming
	Water	insoluble

