Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

PR-619

Catalog No: tcsc1513

Available Sizes

Size: 10mg

Size: 50mg

Specifications

CAS No:
2645-32-1

Formula:
$C_7H_5N_5S_2$

Pathway:
Cell Cycle/DNA Damage

Target:
Deubiquitinase

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 21 mg/mL (94.05 mM)

Alternative Names:
2,6-Diamino-3,5-dithiocyanopyridine

Observed Molecular Weight:
223.28

Product Description

PR-619 is a broad-range **DUB** inhibitor with **EC_{50}** of 3.93, 4.9, 6.86, 7.2, and 8.61 μM for **USP4**, **USP8**, **USP7**, **USP2**, and **USP5**, respectively.

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IC50 & Target: EC50: 3.93 μM (USP4), 4.9 μM (USP8), 6.86 μM (USP7), 7.2 μM (USP2), 8.61 μM (USP5)[1]

In Vitro: PR-619, a deubiquitylase inhibitor, prevents degradation, indicating KCa3.1 is targeted for degradation by ubiquitylation. In PR-619 treated cells, channel degradation is significantly inhibited with 87±1% of KCa3.1 still remaining after 24 hrs (n=3; P[2]. Cell viability is determined by MTT assay and revealed that PR-619 exerted concentration-dependent cytotoxicity in a very narrow concentration range of 7-10 μM[3].