

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:

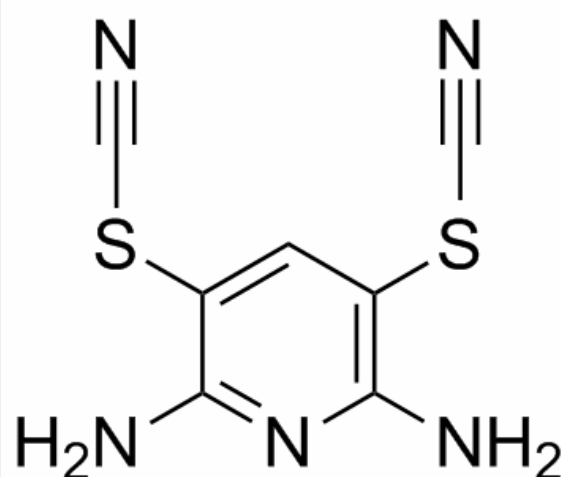
223.28

Product Description

PR-619 is a broad-range **DUB** inhibitor with **EC₅₀** of 3.93, 4.9, 6.86, 7.2, and 8.61 μ M for **USP4**, **USP8**, **USP7**, **USP2**, and **USP5**, respectively.

IC50 & Target: EC50: 3.93 μ M (USP4), 4.9 μ M (USP8), 6.86 μ M (USP7), 7.2 μ M (USP2), 8.61 μ M (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 \pm 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 μ M^[3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!