



Xcess Biosciences Inc.

7144 N Harlem Ave #169
Chicago, IL 60631 USA

<http://www.xcessbio.com>

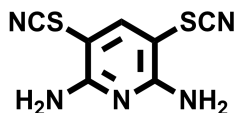
Toll free: 1-866-706-2330

Fax: 1-619- 810-0718

Email: info@xcessbio.com

Deubiquitylating Enzyme (DUB) Inhibitor – PR-619

Chemical Name: 3,5-dithiocyanatopyridine-2,6-diamine



Molecular Weight:	223.28
Formula:	C ₇ H ₅ N ₅ S ₂
Purity:	≥98%
CAS#:	2645-32-1
Solubility:	DMSO up to 100 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

Biological Activity:

PR-619 is a cell-permeable, non-selective, reversible broad-range inhibitor of the deubiquitylating enzymes (DUBs) with IC₅₀ of 1-20 μM. PR-619 is shown to increase overall protein polyubiquitination in HEK293T cells in a dose- and time-dependent manner (20 to 150 μM, 0.5 to 20 h) without direct impairment of proteasomal proteolysis. PR-619 treatment results in upregulation of both K⁴⁸ - and K⁶³-linked polyUb chains. It induces HCT116 cell death with EC₅₀ ~6.3 μM.

How to Use:

In vitro: PR-619 was used at 10-50 μM final concentration in various in vitro assays.

In vivo: n/a

Reference:

1. Altun M, et al. Activity-based chemical proteomics accelerates inhibitor development for deubiquitylating enzymes. (2011) Chem Biol. 18(11):1401-12.

Products are for research use only. Not for human use.