

PR-619, DUB inhibitor

Catalog	Unit
TBI1485-5MG	5 mg
TBI1485-25MG	25 mg

Product Details

Formal Name: 2,6-Diaminopyridine-3,5-bis(thiocyanate)

Alternate Names: 3,5-Dithiocyanatopyridine-2,6-diamine

Molecular Formula: C₇H₅N₅S₂

Formula Weight: 223.28

CAS Number: 2645-32-1

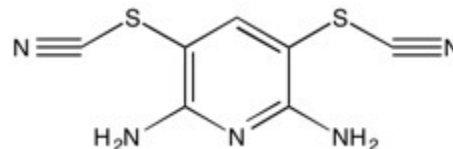
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

DUB inhibitor

Functions

PR-619 is a nonselective, reversible inhibitor of cysteine-reactive deubiquitinating enzymes (DUBs; 5-20 μM). PR-619 is highly useful for preserving ubiquitinated proteins during cell lysis. DUBs become unregulated in cell lysates and will act quickly to deubiquitinate proteins of interest during cell lysis. To preserve maximum amounts of ubiquitinated protein, include PR-619 (50-100 μM) in lysis buffers. PR-619 is also useful for interrogating the role of DUBs in intact cell systems, and treatment of cells results in an overall accumulation of ubiquitinated proteins and many other phenotypes.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

For research use only.