

PR-619

Cat. # F2110, F2111

Also Known as: (2,6-diamino-5-thiocyanatopyridin-3-yl) thiocyanate

Formula: C₇H₅N₅S₂

MW: 223.28 Da

CAS No.: 2645-32-1

Source: Synthetic

Form: Lyophilized powder

Solubility: Soluble in DMSO (>5 mg/ml)

Concentration: N/A

Quality Assurance: ≥98% by HPLC

Description: A cell-permeable pan deubiquitinating enzyme inhibitor that is known to inhibit ATXN3, BAP1, JOSD2, OTUD5, UCH-L1, UCH-L3, UCH-L5/UCH37, USP1, 2, 4, 5, 7, 8, 9X, 10, 14, 15, 16, 19, 20, 22, 24, 28, 47, 48, VCIP135, YOD1, as well as deISGylase PLpro, deNEDDylase DEN1, and deSUMOlyase SENP6. PR-619 inhibits many deubiquitinating enzymes in the 5-20μM range. Treating cells with PR-619 results in the accumulation of both ubiquitin and sumo-conjugated proteins.

Storage: Eligible for room temperature shipping. Store at -20°C upon receiving; protect from air and light

Literature:

1. Tian X., *et al.* (2011) *Assay Drug Dev Technol.* 9(2):165-73.
2. Seiberlich V., *et al.* (2012) *Biochim Biophys Acta.* 1823(11):2057-68.

