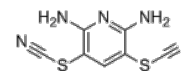


Product Name : PR-619
Cat. No. : PC-20403
CAS No. : 2645-32-1
Molecular Formula : C₇H₅N₅S₂
Molecular Weight : 223.27
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

PR-619 (PR619) is a broad-spectrum, reversible deubiquitinating enzymes (DUBs) inhibitor with IC₅₀ of 3.93 μM-8.87 μM. PR-619 showed limited activity against other families of proteases, including representative examples of other families of cysteine proteases.

PR-619 increased caspase-8 ubiquitination and caspase-8 enzymatic activity and sensitized normal fibroblasts to TRAIL-mediated apoptosis.

PR-619 reduced Smad4 expression and suppresses renal fibrosis in mice with unilateral ureteral obstruction.

References

Altun M, et al. Chem Biol. 2011 Nov 23;18(11):1401-12.

Crowder RN, et al. J Biol Chem. 2016 Mar 11;291(11):5960-5970.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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