UBPBio
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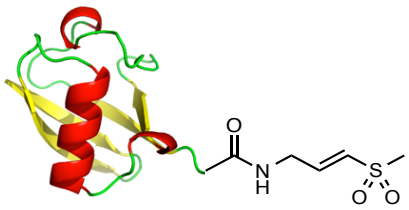
Ub-VS

Cat. # M1030

Quantity: 50 µg
Species: Human
Source: Synthetic
MW: 8624 Da
Form: Lyophilized powder
Quality Assurance: ≥95% by RP-HPLC
Description: A potent and irreversible DUB inhibitor that forms a covalent bond with the catalytic cysteine of USP, UCH and OUT families of DUBs. It can be used for DUB profiling experiment and determining the DUB-Ub complex structure. For reacting with DUBs, 5 mM TCEP or DTT reducing agent can be included in the reaction buffer.

Image:



Coomassie-stained SDS-PAGE of 3 ug Ub-VS.

Storage: Powder at −20°C; solution at −80°C. Avoid multiple freeze/thaw cycles.

Sample Preparation (Important!):
1) Centrifuge the tube at 10,000 xg for 2 min to pellet the powder.
2) Dissolve the powder in a small amount of DMSO (e.g. 50 µg powder in 2 µL DMSO). Vortex the tube to completely dissolve the powder. Keep under room temperature for 5 min, and then centrifuge under room temperature at 10,000 xg for 2 min to collect solution to the tube bottom.
3) Add 98 µL colde buffer (such as 20 mM Tris, pH 7.2, 150 mM NaCl and 10% glycerol) directly into the tube bottom in once, and pipette up and down to mix (avoid generating bubbles and note the order of addition).
4) The stock solution is 0.5 µg/µL (58 µM). Working concentrations vary from 100 nM – 2 µM.

Literature:
1. Galardy et al., Methods in Enzyology, 2005, 399, 120
2.de Jong et al., Chembiochem 2012, 23, 2251