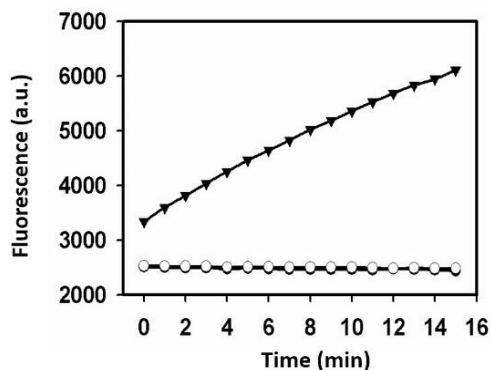


Ub aldehyde

Cat. # F3100

Also Known as: Ubiquitin aldehyde
NCBI Reference: N/A
MW (no tag): 9 kDa
Species: Human
Source: Bacterial recombinant
Tag: No
Stock Buffer: 20 mM sodium acetate, pH 5.0
Concentration: See tube label
Quality Assurance: ~95% by SDS-PAGE



Open circle: 250 nM Ub-Rhodamine 110
Solid triangle: 250 nM Ub-Rhodamine 110 + 5 nM GST-USP4
Solid circle: 250 nM Ub-Rhodamine 110 + 5 nM GST-USP4 + 2 μM Ubal (overlapped with open circles)
Reaction buffer: 40 mM Tris, pH 7.1 at 37°C, 150 mM NaCl, 5 mM DTT and 10% glycerol

Description: Ub aldehyde is a potent and highly specific inhibitor of cysteine deubiquitinating enzymes including the Ub C-terminal hydrolases (UCHs), the Ub-specific proteases (USPs), the ovarian tumor domains (OTUs) proteases and the Machado-Josephine domain (MJD) proteases. Typical working concentration is 2-5 μM in vitro.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles

Note: Avoid mixing with compound or buffer containing free amino group.

Literature:

1. Hershko A, et al. (1987) Proc Natl Acad Sci 84, 1829 – 1833.
2. Hadari T, et al. (1992) J Biol Chem 267(2), 719 – 727.
3. Melandri F, et al. (1996) Biochemistry 35(39), 12893 – 12900.
4. Hu, M. et al. (2005) EMBO J. 24. 3747.

