
MATERIAL DATA SHEET

SUMO1 Vinyl Sulfone, *human recombinant*
Cat. # UL-702

A potent, irreversible and specific inhibitor of SUMO-specific proteases (SENPs). Useful for inhibiting the hydrolysis of poly-SUMO chains on substrate proteins *in vitro* and thus enhances poly-SUMO chain accumulation.

Product Information

Quantity:	50 µg
MW:	11.1 kDa
Stock:	X mg/ml (X µM) in 50 mM Hepes pH 7.0, 150mM sodium chloride, 10% glycerol. Actual concentration will vary with specific Lot #.
Purity:	> 98 % by HPLC

Use & Storage

Use:	Add directly to <i>in vitro</i> assay from the stock solution. Depending on conditions, typical concentrations to fully inhibit SENPs <i>in vitro</i> are 1-5 µM.
Storage:	Store stock solution at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Borodovsky A., <i>et al.</i> (2002) <u>Chem. Biol.</u> 9 : 1149-1159 Borodovsky A., <i>et al.</i> (2005) <u>Chem. Biochem.</u> 6 : 287-291 Hemelaar J., <i>et al.</i> (2004) <u>Mol. Cell. Bio.</u> 24 : 84-95 Wang G., <i>et al.</i> (2003) <u>Org. Lett.</u> 5 : 737-740
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