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**MATERIAL DATA SHEET**

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**NEDD8 Vinyl Sulfone, *human recombinant*****Cat. # UL-802**

A potent, irreversible and specific inhibitor of NEDD8-specific isopeptidases (like NEDP1 or SENP8). Useful for inhibiting the hydrolysis of poly-NEDD8 chains on substrate proteins *in vitro* and thus enhances poly-NEDD8 chain accumulation.

**Product Information**

<b>Quantity:</b>	50 µg
<b>MW:</b>	9.1 kDa
<b>Stock:</b>	X mg/ml (X mM) in 50 mM Hepes pH 7.2. Actual concentration will vary with specific Lot #.
<b>Purity:</b>	> 98 % by HPLC.

**Use & Storage**

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

**Literature**

<b>References:</b>	Borodovsky A., <i>et al.</i> (2002) <u>Chem. Biol.</u> <b>9</b> : 1149-1159 Borodovsky A., <i>et al.</i> (2005) <u>Chem. Biochem.</u> <b>6</b> : 287-291 Hemelaar J., <i>et al.</i> (2004) <u>Mol. Cell. Bio.</u> <b>24</b> : 84-95 Gan-Erdene T., <i>et al.</i> (2003) <u>J. Biol. Chem.</u> <b>278</b> : 28892-28900 Mendoza H.M., <i>et al.</i> (2003) <u>J. Biol. Chem.</u> <b>278</b> : 25637-25643 Wang G., <i>et al.</i> (2003) <u>Org. Lett.</u> <b>5</b> : 737-740 Wu K., <i>et al.</i> (2003) <u>J. Biol. Chem.</u> <b>278</b> : 28882-288891
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