## Ubiquitin vinylmethylester (Ub-VME) Cat. # SI240

Background:	Ub-VME is synthesized by the conjugation of 4-amino-but-2-enoic methyl ester to the C- terminus of Ubiquitin∆G76. Binding of ubiquitin by deubiquitylases (DUBs), for instance UCH's and most USPs, positions the reactive vinyl bond next to the sulfhydryl-group of the active site cysteine. Nucleophilic attack by the sulfhydryl on the vinyl bond produces a stable, covalent thioether bond between Ubiquitin and the deubiquitylase. Thus Ub-VME is a potent suicide inhibitor of DUBs.
Application:	This inhibitor is useful for labeling DUBs <i>in situ</i> as well as preserving the integrity of polyubiquitin chains on modified proteins for analysis or purification.
Product Informa	ation

Purity:	≥ 95% by RP-HPLC
Molecular Weight:	8,604.9 Da
Physical State:	lyophilized
Quantity:	50 μg
Storage:	-80° C. Avoid repeated freeze/thaw cycles



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