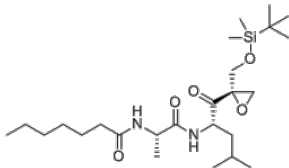


Product Name	: UK-101	
Synonyms	: UK 101;UK101	
Cat No.	: M10004	
CAS Number	: 1000313-40-5	
Molecular Formula	: C ₂₅ H ₄₈ N ₂ O ₅ Si	
Formula Weight	: 484.75	
Chemical Name	: N-((S)-1-(((S)-1-((S)-2-(((tert-butyl)dimethylsilyl)oxy)methyl)oxiran-2-yl)-4-methyl-1-oxopentan-2-yl)amino)-1-oxopropan-2-yl)heptanamide	
Description	: A potent, specific immunoproteasome β1i (LMP2) subunit inhibitor with IC ₅₀ of 104 nM, 144- and 10-fold selectivity over β1c and β5 subunit respectively; induces apoptosis of PC-3 cells and results in significant inhibition (~50-60%) of tumour growth in vivo, does not block degradation of IκBα in PC-3 cells treated with TNF-α.	
Pathway	: Proteasome/Ubiquitin	
Target	: Proteasome	
Receptor	: Proteasome	
Solubility	: —	
SMILES	: —	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. de Bruin G, et al. J Med Chem. 2014 Jul 24;57(14):6197-209. | 2. Wehenkel M, et al. Br J Cancer. 2012 Jun 26;107(1):53-62. | 3. Lei B, et al. J Phys Chem B. 2010 Sep 30;114(38):12333-9.