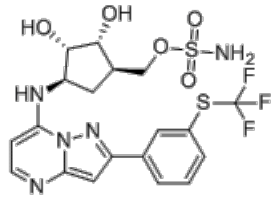


Product Name	: TAK-243	
Synonyms	: MLN7243;MLN-7243;AOB87172;AOB-87172	
Cat No.	: M11939	
CAS Number	: 1450833-55-2	
Molecular Formula	: C ₁₉ H ₂₀ F ₃ N ₅ O ₅ S ₂	
Formula Weight	: 519.51	
Chemical Name	Methyl ((1S,2R,3S,4R)-2,3-dihydroxy-4-((2-(3-((trifluoromethyl)thio)phenyl)pyrazolo[1,5-a]pyrimidin-7-yl)amino)cyclopentyl)sulfamate	
Description	TAK-243 (MLN-7243, AOB87172) is a small-molecule, cell-permeable inhibitor of ubiquitin-activating enzyme E1 (UAE1); blocks ssential monoubiquitination events within the translesion synthesis, and homologous recombination (HR) pathways; shows synergistic and additive anti-tumor combination benefits in vivo combined with carboplatin and docetaxel.Solid Tumors Phase 1 Clinical	
Pathway	: Proteasome/Ubiquitin	
Target	: E1	
Receptor	: E1	
Solubility	: DMSO : 50 mg/mL 96.24 mM; H ₂ O : 1 mg/mL1.92 mM	
SMILES	: COS(=O)(=O)N[C@H]1C[C@H]([C@@H]([C@@H]1O)O)NC2=CC=NC3=CC(=NN23)C4=CC(=CC=C4)SC(F)(F)F	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Wei J, et al. J Immunol. 2017 May 15;198(10):3835-3845.| 2. Michael A. Milhollen, et al. DOI: 10.1158/1535-7163.| 3.Barghout SH, et al. Leukemia. 2018 Jun 8. doi: 10.1038/s41375-018-0167-0.