

Product Name	: VMY-1-103
Synonyms	: VMY 1-103
Cat No.	: M10779
CAS Number	: 1209002-43-6
Molecular Formula	: C ₃₄ H ₄₂ ClN ₉ O ₄ S
Formula Weight	: 708.27
Chemical Name	: 2-Chloro-N-[2-[[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]amino]ethyl]-4-[[2-[[[(1R)-1-(hydroxymethyl)-2-methylpropyl]amino]-9-(1-methylethyl)-9H-purin-6-yl]amino]benzamide
Description	: A novel dansylated analog of purvalanol B, and a CDK inhibitor that inhibits cell cycle progression and proliferation in prostate and breast cancer cells more effectively than purvalanol B; increases the sub G(1) fraction of apoptotic cells, induces PARP and caspase-3 cleavage and increases the levels of the death receptors DR4 and DR5, Bax and Bad.
Pathway	: Angiogenesis
Target	: CDK
Receptor	: CDK
Solubility	: —
SMILES	: <chem>O=C(NCCNS(=O)(C1=C2C=CC(N(C)C)C2=CC=C1)=O)C3=CC=C(NC4=C5N=CN(C(C)C)C5=NC(N[C@H](C(C)C)CO)=N4)C=C3Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Ringer L, et al. Cancer Biol Ther. 2011 Nov 1;12(9):818-26. | 2. Sirajuddin P, et al. Cell Cycle. 2012 Oct 15;11(20):3801-9. | 3. Wayne S, et al. Aging (Albany NY). 2015 Oct;7(10):854-68.