

Product Name	: AZ 3146
Synonyms	: AZ3146; AZ 3146; AZ-3146
Cat No.	: M17147
CAS Number	: 1124329-14-1
Molecular Formula	: C ₂₄ H ₃₂ N ₆ O ₃
Formula Weight	: 452.55
Chemical Name	: 9-cyclopentyl-2-(2-methoxy-4-(1-methylpiperidin-4-yloxy)phenylamino)-7-methyl-7H-purin-8(9H)-one
Description	: AZ3146 is a novel and potent Mps1 inhibitor, which was used to probe the role of Mps1's catalytic activity during mitosis. AZ3146 also inhibits FAK, JNK1, JNK2, KSP and Kit. In in vitro kinase assays, AZ3146 inhibited human Mps1Cat with an IC ₅₀ (50% inhibitory concentration) of ~35 nM. AZ3146 also efficiently inhibited autophosphorylation of full-length Mps1 immunoprecipitated from human cells.
Pathway	: Microbiology/Virology
Target	: HSV
Receptor	: Mps1
Solubility	: DMSO : 11.75 mg/mL 25.96 mM;
SMILES	: <chem>COc1c(Nc2ncc3n(C)c(=O)n(C4CCCC4)c3n2)ccc(OC2CCN(C)CC2)c1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hewitt L, et al. J Cell Biol, 2010, 190(1), 25-34.

