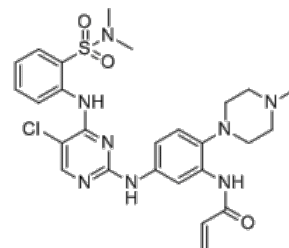


Product Name	: HCl-2389
Synonyms	: HCl2389
Cat No.	: M17077
CAS Number	:
Molecular Formula	: C ₂₆ H ₃₁ ClN ₈ O ₃ S
Formula Weight	: 571.10
Chemical Name	: N-(5-((5-chloro-4-((2-(N,N-dimethylsulfamoyl)phenyl)amino)pyrimidin-2-yl)amino)-2-(4-methylpiperazin-1-yl)phenyl)acrylamide
Description	: A potent, specific, irreversible NIMA-related Kinase 2 (NEK2) inhibitor with IC ₅₀ of 16.65 nM; significantly decreases level of phosphorylated PP1-α in HeLa cells at 10 nM, significantly increases the effectiveness of bortezomib in inhibiting proteasome activity at concentrations as low as 10nM; inhibits the degradation of Cyclin B and Cdc2, successfully mitigates drug resistance in bortezomib-resistant multiple myeloma.
Pathway	: Cell Cycle/DNA Damage
Target	: Hec1/Nek2
Receptor	: Hec1/Nek2
Solubility	: —
SMILES	: —
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Meng L, et al. Biomed Res Int. 2014;2014:273180.