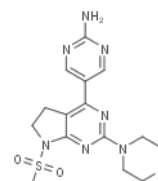


Product Name	: CH5132799
Synonyms	: CH5132799; CH-5132799; PA799; PA-799.
Cat No.	: M17113
CAS Number	: 1007207-67-1
Molecular Formula	: C ₁₅ H ₁₉ N ₇ O ₃ S
Formula Weight	: 377.42
Chemical Name	: 5-(7-(methylsulfonyl)-2-morpholino-6,7-dihydro-5H-pyrrolo[2,3-d]pyrimidin-4-yl)pyrimidin-2-amine
Description	<p>CH5132799, also known as PA-799, is a novel class I PI3K inhibitor, which exhibited a strong inhibitory activity especially against PI3Kα (IC₅₀=0.014 μM). In human tumor cell lines with PI3K pathway activation, CH5132799 showed potent antiproliferative activity. CH5132799 is orally available and showed significant antitumor activity in PI3K pathway-activated human cancer xenograft models in mice. CH5132799 selectively inhibited class I PI3Ks and PI3Kα mutants in in vitro kinase assays. Tumors harboring PIK3CA mutations were significantly sensitive to CH5132799 in vitro and were remarkably regressed by CH5132799 in in vivo mouse xenograft models.</p>
Pathway	: Others
Target	: Other Targets
Receptor	: mTOR; PI3K α ; PI3K β ; PI3K γ ; PI3K δ
Solubility	: DMSO : 4.55 mg/mL 12.06 mM; H ₂ O : < 0.1 mg/mL
SMILES	: <chem>CS(=O)(=O)N1CCc2c(nc(nc12)N1CCOCC1)c1cnc(N)nc1</chem>
Storage	: (-20°C)
Stability	: \geq 2 years
Reference	:



1. Tanaka H, et al, Clin Y Res, 2011, 17(10), 3272-3281.