

Product Name : AZD2014

Synonyms : Vistusertib

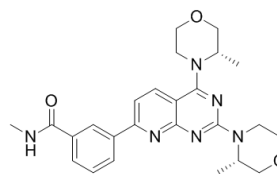
Cat No. : M10062

CAS Number : 1009298-59-2

Molecular Formula : C₂₅H₃₀N₆O₃

Formula Weight : 462.54

Chemical Name : 3-[2,4-Bis((3S)-3-methylmorpholin-4-yl)pyrido[5,6-e]pyrimidin-7-yl]-N-methylbenzamide



Description : AZD2014 is a novel mTOR inhibitor with IC₅₀ of 2.8 nM in a cell-free assay; highly selective against multiple PI3K isoforms (α/β/γ/δ). Phase 2.

Pathway : PI3K/Akt/mTOR signaling

Target : Akt

Receptor : P-Akt (S473); mTOR; PI3Kα; pS6 (S235/236)

Solubility : DMSO: 38 mg/mL (82.15 mM)

SMILES : O=C(NC)C1=CC=CC(C2=CC=C3C(N4[C@@H](C)COCC4)=NC(N5[C@@H](C)COCC5)=NC3=N2)=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Sylvie M. Guichard, et al. Y Research: April 15, 2012; Volume 72, Issue 8, Supplement