
Product Data Sheet

Product Name: FT-1518
Cat. No.: GC33355

Chemical Properties

Cas. No. 1313026-58-2

SMILES CCC(N1C2=NC(N3CC4OC(CC4)C3)=NC(C5=NC=C(N)N=C5)=C2N=C1)CC

Formula C₂₀H₂₆N₈O M.Wt 394.47

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

FT-1518 is a new generation selective, potent and oral bioavailable mTORC1 and mTORC2 inhibitor, and exhibits antitumor activity.

FT-1518 is a new generation selective, potent and oral bioavailable mTORC1 and mTORC2 inhibitor, and exhibits antitumor activity. FT-1518 displays significant growth inhibitory activity against a large panel of hematologic and solid tumor cell lines with most activities falling into low nanomolar range. FT-1518 causes potent inhibition of the mTOR pathway biomarkers (mTORC 1 & 2 biomarkers [pAkt(S473) and pS6(S240/244) or p70 S6K], no inhibition of PI3K biomarker [pAkt(T308)] in cells[1].

FT-1518 exhibits dose-dependent and higher tumor growth inhibition (TGI) in multiple solid tumor xenografts[1].

[1]. Alain C. Mita, et al. Abstract 137: FT-1518, a new generation selective and potent mTORC1 and mTORC2 inhibitor: an in vitro and in vivo profile. Cancer Res 2017;77(13 Suppl).

Caution: Product has not been fully validated for medical applications. For research use only.

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