
Product Data Sheet

Product Name: Rac-Nedisertib

Cat. No.: GC34749

Chemical Properties

Cas. No. 1637542-34-7

SMILES C1C=C(C(O)C2=NN=C(OC)C=C2)C=C(C3=C4C=CC(N5CCOCC5)=CC4=NC=N3)C(F)=C1Formula C₂₄H₂₁ClFN₅O₃ M.Wt 481.91

Solubility DMSO : ≥ 100 mg/mL (207.51 mM) Storage Store at -20°C

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

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

Structure **Background**

Rac-Nedisertib (Rac-M3814) is a racemate of Nedisertib, a potent DNA-PK inhibitor, with an IC₅₀ of <3 nM[1]. DNA-PK|<3 nM (IC₅₀)

Rac-Nedisertib (Compound 137) potently inhibits DNA-PK, with an IC₅₀ of <3 nM for DNA-PK, 0.5-5 μM for cellular pDNA-PK and 15-25 μM for KV11.1 (hERG, human ether a-go-go related gene)).[1].

[1]. Thomas Fuchss, et al. Arylchinazoline. WO2014183850A1.

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

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