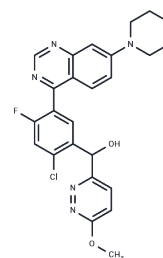


(Rac)-Nedisertib

Chemical Properties

CAS No. :	1637542-34-7
Formula:	C ₂₄ H ₂₁ ClFN ₅ O ₃
Molecular Weight:	481.91
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(Rac)-Nedisertib is a racemate of Nedisertib, a potent inhibitor of DNA-PK(IC ₅₀ of <3 nM).
Targets(IC ₅₀)	DNA-PK
In vitro	(Rac)-Nedisertib potently inhibits DNA-PK with an IC ₅₀ 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).

Solubility Information

Solubility	DMSO: 100 mg/mL (207.51 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0751 mL	10.3754 mL	20.7508 mL
5 mM	0.415 mL	2.0751 mL	4.1502 mL
10 mM	0.2075 mL	1.0375 mL	2.0751 mL
50 mM	0.0415 mL	0.2075 mL	0.415 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Thomas Fuchss, et al. Arylchinazoline. WO2014183850A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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