

Selonsertib (free base)

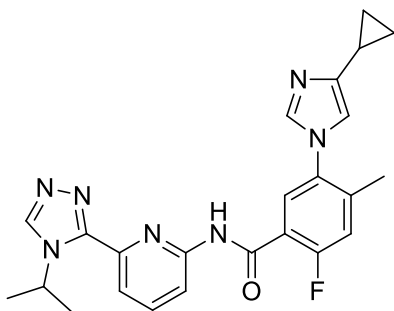
SYN-1231

5-(4-cyclopropyl-1H-imidazol-1-yl)-2-fluoro-4-methyl-N-(6-(4-(1-methylethyl)-4H-1,2,4-triazol-3-yl)-2-pyridinyl)

CAS Registry No.: 1448428-04-3

Smiles String:

O=C(NC1=NC(C2=NN=CN2C(C)C)=CC=C1)C3=CC(N4C=C(C5CC5)N=C4)=C(C)C=C3F



Molecular Weight: 445.50

Molecular Formula: C₂₄H₂₄FN₇O

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

Selonsertib, also known as GS-4997, is an orally bioavailable inhibitor of apoptosis signal-regulating kinase 1 (ASK1), with potential anti-inflammatory, antineoplastic and anti-fibrotic activities.

GS-4997 targets and binds to the catalytic kinase domain of ASK1 in an ATP-competitive manner. GS-4997 prevents the production of inflammatory cytokines, down-regulates the expression of genes involved in fibrosis, suppresses excessive apoptosis and inhibits cellular proliferation.

Shipping and Storage Temperature

Shipping:
Ambient

Storage:
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

Soluble in DMSO

References

1. Lin JH, Zhang JJ, Lin SL, Chertow GM. Design of a phase 2 clinical trial of an ASK1 inhibitor, GS-4997, in patients with diabetic kidney disease. *Nephron*. 2015;129(1):29-33. doi: 10.1159/000369152. Epub 2014 Dec 17. PubMed PMID: 25531162.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)