

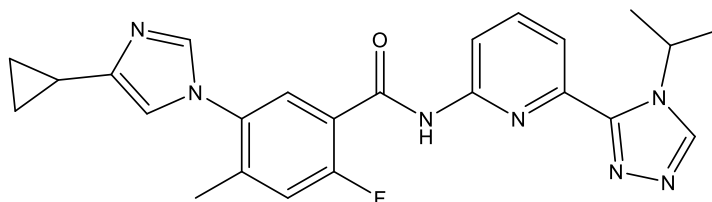
**Catalog # 10-4696**

**Selonsertib**

5-(4-Cyclopropylimidazol-1-yl)-2-fluoro-4-methyl-N-[6-(4-propan-2-yl)-1,2,4-triazol-3-yl]pyridine-2-yl]benzamide; GS-4997

CAS# 1448428-04-3

Lot # FBS2182



Selonsertib is a potent Apoptosis signal-regulating kinase 1 (ASK1) inhibitor ( $pIC_{50} = 8.3$ )<sup>1</sup> found to improve metabolic parameters in nonalcoholic steatohepatitis, reduce hepatic steatosis, inflammation, and fibrosis<sup>2-4</sup>. Selonsertib suppressed the efflux function of multidrug resistance (MDR) transporters ABCB1 and ABCG2.<sup>5</sup>

- 1) Lanier *et al.* (2017), *Structure-Based Design of ASK1 Inhibitors as Potential Agents for Heart Failure*; ACS Med. Chem. Lett. **8** 316
- 2) Loomba *et al.* (2017), *The ASK1 inhibitor selonsertib in patients with nonalcoholic steatohepatitis: a randomized, phase 2 trial*; Hepatology **67** 549
- 3) Younossi *et al.* (2018), *Improvement of hepatic fibrosis and patient-reported outcomes in non-alcoholic steatohepatitis treated with selonsertib*; Liver Int. **38** 1849
- 4) Gawrieh and Chalasani (2018), *Emerging Treatments for Nonalcoholic Fatty Liver Disease and Nonalcoholic Steatohepatitis*; Clin. Liver Dis. **22** 189
- 5) Ji *et al.* (2019), *Selonsertib (GS-4997), an ASK1 inhibitor, antagonizes multidrug resistance in ABCB1- and ABCG2-overexpressing cancer cells*; Cancer Lett. **440-441** 82

**PHYSICAL DATA**

Molecular Weight: 445.50  
Molecular Formula: C<sub>24</sub>H<sub>24</sub>FN<sub>7</sub>O  
Purity: >98% by HPLC  
NMR: Conforms  
Solubility: DMSO (>25 mg/mL)  
Physical Description: White solid  
Storage and Stability: Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.