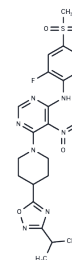


AR 231453

## Chemical Properties

CAS No. : 733750-99-7  
 Formula: C<sub>21</sub>H<sub>24</sub>FN<sub>7</sub>O<sub>5</sub>  
 Molecular Weight: 505.52  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Azenosertib (ZN-c3) is an orally active, specific GPR119 agonist. Azenosertib (ZN-c3) stimulates cell proliferation and improves pancreatic $\beta$ -cell function. [1]
Targets(IC50)	GPCR

## Solubility Information

Solubility	DMSO: 10 mg/mL (19.78 mM),Sonication is recommended. H <sub>2</sub> O: 60 mg/mL (118.69 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9782 mL	9.8908 mL	19.7816 mL
5 mM	0.3956 mL	1.9782 mL	3.9563 mL
10 mM	0.1978 mL	0.9891 mL	1.9782 mL
50 mM	0.0396 mL	0.1978 mL	0.3956 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Chu ZL, et al. A role for intestinal endocrine cell-expressed g protein-coupled receptor 119 in glycemic control by enhancing glucagon-like Peptide-1 and glucose-dependent insulintropic Peptide release. *Endocrinology*. 2008 May;149(5):2038-47.

Semple G, et al. Discovery of the first potent and orally efficacious agonist of the orphan G-protein coupled receptor 119. *J Med Chem*. 2008 Sep 11;51(17):5172-5.

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