

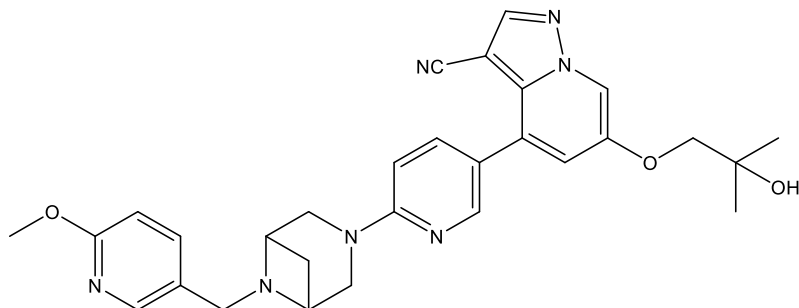
Catalog # 10-4407

Selpercatinib

CAS# 2152628-33-4

6-(2-Hydroxy-2-methylpropoxy)-4-(6-(6-((6-methoxy-3-pyridinyl)methyl)-3,6-diazabicyclo[3.1.1]heptan-3-yl)pyridine-3-yl)pyrazolo[1,5-a]pyridine-3-carbonitrile: LOXO-292

Lot # FBS4013



Selpercatinib is a potent ($IC_{50} = 0.45 \text{ nM}$)¹ and selective inhibitor of RET kinase.² Clinically relevant for the treatment of RET-altered non-small cell lung cancer³ and certain thyroid cancers⁴.

- 1) Kooijman *et al.* (2022); *Comparative kinase and cancer cell panel profiling of kinase inhibitors approved for clinical use from 2018 to 2020*, *Front. Oncol.*, **12** 953013
- 2) Subbiah *et al.* (2018), *Selective RET kinase inhibition for patients with RET-altered cancers*; *Ann. Oncol.* **29** 1869
- 3) Drilon *et al.* (2020); *Efficacy of Selpercatinib in RET Fusion-Positive Non-Small Cell Lung Cancer*, *N. Engl. J. Med.*, **383** 813
- 4) Wirth *et al.* (2020); *Efficacy of Selpercatinib in RET-Altered Thyroid Cancer*, *N. Engl. J. Med.*, **383** 825

PHYSICAL DATA

Molecular Weight:	525.61
Molecular Formula:	C ₂₉ H ₃₁ N ₇ O ₃
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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