

Product Data Sheet

Product Name: Selpercatinib

Cat. No.: GC33192

Chemical Properties

Cas. No. 2152628-33-4

SMILES N#CC1=C2C(C3=CC=C(N4CC(C5)N(CC6=CC=C(OC)N=C6)C5C4)N=C3)=CC(OCC(C)(O)C)=CN2N=C1

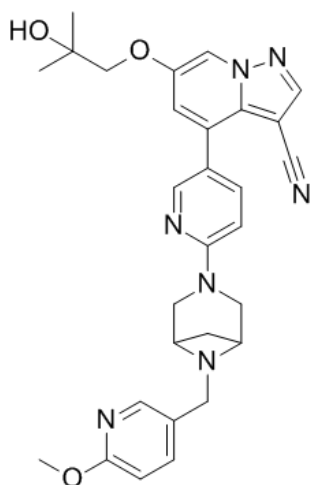
Formula $C_{29}H_{31}N_7O_3$ M.Wt 525.6

Solubility DMSO : 8.33 mg/mL (15.85 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Selpercatinib is a RET kinase inhibitor extracted from patent WO2018071447A1, Compound Example 163, has an IC₅₀ of 14.0 nM, 24.1 nM, and 530.7 nM for RET (WT), RET (V804M) , and RET (G810R), respectively[1]. Antineoplastic activity[2].

[1]. Steven W. Andrews, et al. Substituted pyrazolo[1,5-a]pyridine compounds as ret kinase inhibitors.

Caution: Product has not been fully validated for medical applications. For research use only.

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WO2018071447A1. [2]. International Nonproprietary Names for Pharmaceutical Substances (INN).
WHO Drug Information, Vol. 32, No. 4, 2018.

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