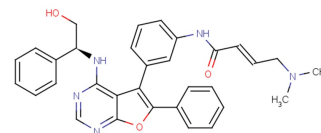


DBPR112

Chemical Properties

CAS No.: 1226549-49-0
Formula: C₃₂H₃₁N₅O₃
Molecular Weight: 533.62
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	DBPR112 has an IC ₅₀ of 15 nM and 48 nM for EGFRWT and EGFR L858R / T790M, respectively. It is an oral active epidermal growth factor receptor inhibitor based on furimidine. DBPR112 has significant antitumor efficacy.
Targets(IC ₅₀)	EGFRWT: 15 nM EGFR L858R/T790M: 48 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.874 mL	9.37 mL	18.74 mL
5 mM	0.375 mL	1.874 mL	3.748 mL
10 mM	0.187 mL	0.937 mL	1.874 mL
50 mM	0.037 mL	0.187 mL	0.375 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Lin SY, et al. Discovery of a Furanopyrimidine-Based Epidermal Growth Factor Receptor Inhibitor (DBPR112) as a Clinical Candidate for the Treatment of Non-Small Cell Lung Cancer. J Med Chem. 2019 Sep 27.

Inhibitors · Natural Compounds · Compound Libraries

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