

U3-1784

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 143.22 kDa

Storage: Store at low temperature  
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	U3-1784 is a humanized antibody that targets CD334. U3-1784 exerts its antitumor activity by binding to FGFR4 with high affinity and selectivity, thereby blocking its interaction with ligands. U3-1784 can be used in research on liver cancer.
Targets(IC50)	FGFR
In vitro	U3-1784 showed excellent specificity for FGFR4 and did not bind to other FGFR with Kd =0.3 nmol/L and IC50 value of 2 nmol/L. [1]
In vivo	Methods: Ten liver cancer xenograft models (cell-derived/patient-derived) were established. U3-1784 (25 mg/kg) was administered intraperitoneally twice weekly to evaluate synergistic antitumor effects and monitor tumor volume and mouse body weight. Results: U3-1784 was effective only in FGF19-positive liver cancer models, with a maximum tumor suppression rate of 90%. [1] Methods: Rhesus monkeys were administered intravenous injections of U3-1784 (100 mg/kg, once every 7 days, for a total of 3 doses), and serum bile acid and liver enzyme (ALT/AST) levels were measured. Results: U3-1784 elevated bile acid and liver enzyme levels, inducing liver damage.[1]

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.007 mL	0.0349 mL	0.0698 mL
5 mM	0.0014 mL	0.007 mL	0.014 mL
10 mM	0.0007 mL	0.0035 mL	0.007 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 mL

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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.

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