

CTX-2026

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 47.39 kDa

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

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	CTX-2026 is a fully human antibody that targets and binds to CD277. CTX-2026 demonstrates anti-tumor effects in ovarian tumor models , and CTX-2026 is utilized in oncology research focused on immune receptor targeting, tumor microenvironment modulation, and antibody-based targeting of CD277-expressing cellular systems.
Targets(IC50)	Immunology/Inflammation related
In vitro	Methods: Cells were treated with 1 µg/mL CTX-2026 for 12 hours and 6 days respectively. The cytotoxic function of Vγ9Vδ2 T cells and the survival of CD45 <sup>+</sup> T cells were detected. Results: Treatment with 1 µg/mL CTX-2026 for 12 h remodeled the cytotoxic activity of Vγ9Vδ2 T cells against BTN3A1-positive OVCAR3 cells and primary high-grade serous ovarian cancer cells. Intervention at the same concentration for 6 days protected residual CD45 <sup>+</sup> T cells [1].
In vivo	Methods: Mice bearing NY-OVCAR3 tumors were intraperitoneally injected with CTX-2026 at a dose of 5 mg/kg once every three days for 15 consecutive days, and tumor growth was observed. Results: CTX-2026 inhibited the growth of NY-OVCAR3 tumors in mice [1].

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.0211 mL	0.1055 mL	0.211 mL
5 mM	0.0042 mL	0.0211 mL	0.0422 mL
10 mM	0.0021 mL	0.0106 mL	0.0211 mL
50 mM	0.0004 mL	0.0021 mL	0.0042 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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