

Elgemtumab

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 1512559-37-3 |
| Formula: | |
| Molecular Weight: | 144.15 kDa |
| Storage: | Store at low temperature |
| | -20°C for 1 year |
| | <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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|---------------|--|
| Description | Elgemtumab (LJM716) is a fully humanised monoclonal antibody targeting HER3/ERBB3, acting as an antagonist to block HER3/Akt phosphorylation and exhibiting antitumour activity. |
| Targets(IC50) | EGFR,HER |
| In vivo | <p>Methods: Elgemtumab was administered as a single intravenous injection at 20 mg/kg in SCID mice bearing BT474 and BxPC-3 xenografts; in NSG mice bearing BT474 xenografts, it was given every other day at 20 mg/kg for 35 days.</p> <p>Results: Elgemtumab significantly inhibited pHER3 and pAKT levels in both BT474 and BxPC-3 models and slowed tumor growth in the BT474 model. [1]</p> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.0069 mL | 0.0347 mL | 0.0694 mL |
| 5 mM | 0.0014 mL | 0.0069 mL | 0.0139 mL |
| 10 mM | 0.0007 mL | 0.0035 mL | 0.0069 mL |
| 50 mM | 0.0001 mL | 0.0007 mL | 0.0014 mL |

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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