

Zenocutuzumab

Chemical Properties

CAS No. : 1969309-56-5

Formula:

Molecular Weight: 145.76 kDa

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

Actual storage temperature shall be subject to the COA.

Biological Description

| | |
|---------------|---|
| Description | Zenocutuzumab (MCLA-128) is a humanized antibody targeting the extracellular domains of HER2 and HER3. It can be used for research on tumors driven by NRG1 gene rearrangement. |
| Targets(IC50) | EGFR,HER |
| In vitro | Zenocutuzumab (MCLA-128) (0.001-1000 nM, treated for 96 hours) inhibits the growth of lung and breast cancer cell lines. [1] Zenocutuzumab (0.1-1000 nM, treated for 24 hours) induces apoptosis and triggers expression of markers of cell cycle arrest in lung and breast cancer cell lines by inhibiting phosphorylation of HER3 and AKT. [1] |
| In vivo | Zenocutuzumab (2.5-25 mg/kg, intraperitoneal injection once weekly for 28 days) significantly reduced tumor growth and triggered tumor shrinkage and even regression. [1] |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.0069 mL | 0.0343 mL | 0.0686 mL |
| 5 mM | 0.0014 mL | 0.0069 mL | 0.0137 mL |
| 10 mM | 0.0007 mL | 0.0034 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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