

Product Data Sheet

Product Name: Elgemtumab

Cat. No.: GC74615

Chemical Properties

Cas. No. 1512559-37-3

Formula

M.Wt

Solubility

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Elgemtumab

Background

Elgemtumab(LJM716) is a fully human IgG monoclonal antibody. Elgemtumab can specifically bind to HER3, block ligand-dependent and independent HER3 signal transduction and cell proliferation, and has good anti-tumor potential.

Elgemtumab(LJM716)(i.v., 20 mg/kg,once) can reduce pHER3 by 52% and pAKT by 84% in SCID

Caution: Product has not been fully validated for medical applications. For research use only.

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mice with BT474 breast cancer xenografts; while in BxPC-3 pancreatic xenografts In SCID mice, it resulted in a maximum inhibition of pHER3 of 86% and a maximum inhibition of pAKT of 74% [1]. Elgemtumab (LJM716) (20 mg/kg, every other day, 35 days) slows tumor growth in NSG mice with BT474 breast cancer xenografts[1].

References:

[1]. Andrew P Garner, et al. An antibody that locks HER3 in the inactive conformation inhibits tumor growth driven by HER2 or neuregulin. Cancer Res. 2013 Oct 1;73(19):6024-35.

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