
Product Data Sheet

Product Name: Amatuximab

Cat. No.: GC68370

Chemical Properties

Cas. No. 931402-35-6

Formula M.Wt

Solubility Storage Store at -20°C

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

Background

Amatuximab (MORab-009) is a chimeric, humanized IgG1/k MAb that targets the cell surface mesothelin (MSLN). Mesothelin is a glycosylphosphatidyl inositol (GPI)-anchored membrane glycoprotein, which is present in a restricted set of normal adult tissues such as the mesothelium^{[1][2]}.

Amatuximab (MORAb-009) is a mouse-human chimeric monoclonal antibody with a selective affinity for MSLN. In vitro, amatuximab elicits antibody-dependent cellular cytotoxicity (ADCC) against mesothelin expressing tumor cell lines and inhibits heterotypic cell adhesion of mesothelin-positive tumor cells to CA125-expressing tumor cells^[1].

In tumor xenograft studies, combination treatment with amatuximab plus chemotherapy led to a greater reduction in the growth of mesothelin-expressing tumors than either Amatuximab or chemotherapy alone^[1].

[1]. Hassan R, et al. Phase II clinical trial of amatuximab, a chimeric antimesothelin antibody with pemetrexed and cisplatin in advanced unresectable pleural mesothelioma. Clin Cancer Res. 2014;20(23):5927-5936.

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

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[2]. Baldo P, et al. Amatuximab and novel agents targeting mesothelin for solid tumors. Onco Targets Ther. 2017;10:5337-5353. Published 2017 Nov 8.

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