

## Matuzumab

**Chemical Properties**

CAS No.:	339186-68-4
Formula:	N/A
Molecular Weight:	N/A
Appearance:	N/A
Storage:	store at -20°C

**Biological Description**

Description	Matuzumab is a humanized monoclonal antibody used in cancer treatment. It has a high affinity for EGFR frequently associated with the growth of blood vessels in malignancy facilitating tumor growth and survival.
Targets(IC <sub>50</sub> )	EGFR: None
In vivo	Measurement of in vivo pharmacokinetics with I-7D12-9G8-Alb1 was performed in tumour-bearing mice essentially as described . Next to a therapeutic dose of trivalent nanobody , each mouse was injected intraperitoneally with 0.33 MBq of radio-labelled nanobody (7.5 µg), and blood was drawn at 2 hrs, 6 hrs, 24 hrs, 48 hrs, 72 hrs p.i. to determine detailed pharmacokinetics.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Rob C. Roovers, et al. A bi-paratopic anti-EGFR nanobody efficiently inhibits solid tumour growth. *Int J Cancer*. 2011 Oct 15; 129(8): 2013–2024.

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