
Product Data Sheet

Product Name: Ramucirumab

Cat. No.: GC19534

Chemical Properties

Cas. No. 947687-13-0

Formula $C_{6374}H_{9864}N_{1692}O_{1996}S_{46}$ M.Wt 143607.26

Solubility Soluble in DMSO Storage Store at 4°C, do not freeze

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**

Ramucirumab is a fully human monoclonal antibody (IgG1). Ramucirumab is a direct VEGFR2 antagonist, that binds with high affinity to the extracellular domain of VEGFR2 and block the binding of natural VEGFR ligands (VEGF-A, VEGF-C and VEGF-D). These ligands are secreted by solid tumors to promote angiogenesis (formation of new blood vessels from pre-existing ones) and enhance tumor blood supply. Binding of ramucirumab to VEGFR2 leads to inhibition of VEGF-mediated tumor angiogenesis.

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

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