

Tocilizumab

Chemical Properties

CAS No. : 375823-41-9
Formula:
Molecular Weight:
Appearance: no data available
Storage: store at -20°C

Tocilizumab

Biological Description

Description	Tocilizumab (anti-IL-6R) is a humanized monoclonal antibody that binds to the interleukin-6 receptor
Targets(IC50)	Interleukin
Cell Research	Objective: To validate that IL-6 signaling is essential for TAM (tumor-associated macrophages)-enhanced CSC (cancer stem cells) function. Concentrations: 5 µg/ml. Incubation Time: 72 h. Method: For co-culture experiments, 12-well Transwell chambers were used with 2×10 ⁵ HepG2 or Hep3B cells seeded in the lower chamber one day before co-culture and either 5×10 ⁵ or 1×10 ⁶ TAMs added in the upper chamber. Tocilizumab or human IgG antibody were added in indicated experiments to selected wells. After 24 to 72 hours, HCC cells and CD14+ TAM cells were collected separately for analysis. Cells:HepG2 cell lines, TAMs isolated from HCCs (hepatocellular carcinoma)

Reference

Garbers C, et al. Inhibition of classic signaling is a novel function of soluble glycoprotein 130 (sgp130), which is controlled by the ratio of interleukin 6 and soluble interleukin 6 receptor. J Biol Chem. 2011 Dec 16;286(50):42959-

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