
Product Data Sheet

Product Name: Angiopep-2 hydrochloride

Cat. No.: GC61479

Chemical Properties

Cas. No.

Formula $C_{104}H_{150}ClN_{29}O_{31}$

M.Wt

2337.93

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

Angiopep-2 hydrochloride is a brain peptide vector. The conjugation of anticancer agents with the Angiopep-2 peptide vector could increase their efficacy in the treatment of brain cancer[1].

Paclitaxel is conjugated to a brain peptide vector, Angiopep-2, to provide a paclitaxel-Angiopep-2 conjugate named ANG1005. ANG1005 enters the brain to a greater extent than paclitaxel and bypasses the P-gp. ANG1005 has an antineoplastic potency similar to that of paclitaxel against human cancer cell lines[1].

ANG1005 administration leads to a significant increase in the survival of mice with intracerebral implantation of U87 MG glioblastoma cells or NCI-H460 lung carcinoma cells[1].

[1]. A Régina, et al. Antitumour Activity of ANG1005, a Conjugate Between Paclitaxel and the New Brain Delivery Vector Angiopep-2. Br J Pharmacol. 2008 Sep;155(2):185-97.

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

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