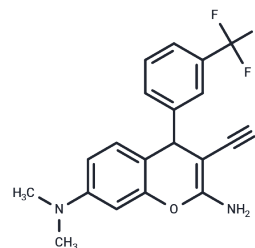


Chromeceptin

Chemical Properties

CAS No. :	331859-86-0
Formula:	C ₁₉ H ₁₆ F ₃ N ₃ O
Molecular Weight:	359.35
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chromeceptin is an inhibitor of the IGF signaling pathway, decreases the numbers of tumorsphere, and inhibits the AKT/mTOR pathway.
Targets(IC50)	Akt,IGF-1R,mTOR
In vitro	In Hep3B-derived TS cells, Chromeceptin (5 μM) inhibits IGF2 expression in a time-dependent manner. Chromeceptin suppresses IGF-2 expression at mRNA and protein levels in HCC cells[1].

Solubility Information

Solubility	DMSO: 90 mg/mL (250.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7828 mL	13.914 mL	27.828 mL
5 mM	0.5566 mL	2.7828 mL	5.5656 mL
10 mM	0.2783 mL	1.3914 mL	2.7828 mL
50 mM	0.0557 mL	0.2783 mL	0.5566 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Seol HS, et al. Loss of miR-100 and miR-125b results in cancer stem cell properties through IGF2 upregulation in hepatocellular carcinoma. Sci Rep. 2020 Dec 8;10(1):21412.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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