

ANG1005

Chemical Properties

CAS No. :	1075214-55-9
Formula:	C256H306N32O81
Molecular Weight:	5127.33
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	ANG1005 is a brain-penetrating peptide-agent conjugate comprising a taxane derivative that features three paclitaxel molecules covalently bonded to Angiopep-2. This design facilitates crossing of the blood-brain and blood-cerebrospinal barriers, with subsequent penetration of malignant cells through the low-density lipoprotein receptor-related protein (LRP1) transport system [1] [2] [3].
Targets(IC50)	LDLR
In vivo	ANG1005 has shown a significantly improved brain delivery and therapeutic effect on breast cancer brain metastases [1] compared to free paclitaxel.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.195 mL	0.9752 mL	1.9503 mL
5 mM	0.039 mL	0.195 mL	0.3901 mL
10 mM	0.0195 mL	0.0975 mL	0.195 mL
50 mM	0.0039 mL	0.0195 mL	0.039 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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