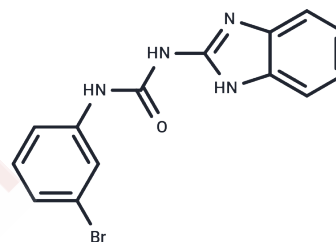


CJ28

Chemical Properties

CAS No. : 3047118-54-4
 Formula: C₁₄H₁₁BrN₄O
 Molecular Weight: 331.17
 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	CJ28 is a cortisol biosynthesis inhibitor. In human adrenocortical carcinoma cell models, it significantly reduces cortisol production under both basal and stimulated conditions. The mechanism of action of CJ28 is primarily associated with the inhibition of the steroidogenesis pathway and de novo cholesterol biosynthesis, thereby reducing the supply of cortisol precursors and downregulating hormone synthesis levels.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0196 mL	15.098 mL	30.196 mL
5 mM	0.6039 mL	3.0196 mL	6.0392 mL
10 mM	0.302 mL	1.5098 mL	3.0196 mL
50 mM	0.0604 mL	0.302 mL	0.6039 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

Kim SH, et al. Transcriptomic data of human adrenocortical NCI-H295R cells treated with cortisol biosynthesis inhibitors. Data Brief. 2023 Dec 12;52:109948.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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