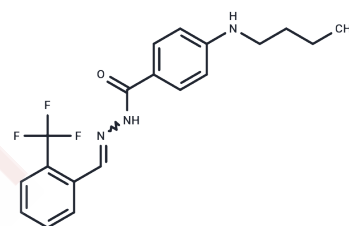


Anticancer agent 101

Chemical Properties

CAS No. :	2914922-80-6
Formula:	C ₁₉ H ₂₀ F ₃ N ₃ O
Molecular Weight:	363.38
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	Anticancer Agent 101, a tetracaine derivative, exhibits anti-cancer activity [1].
Targets(IC50)	Others
In vitro	Anticancer agent 101 (compound 2m; 24 and 48 h) exhibited antitumor activity, with IC50 values of 20.5 μ M for Colo-205 cells and 62.9 μ M for HepG2 cells [1]. At concentrations of 25 μ M and 50 μ M over 24 hours, Anticancer agent 101 decreased the expression of apoptotic proteins PI3K and FoXO3a, while upregulating PTEN and FoXO1 in Colo-205 cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7519 mL	13.7597 mL	27.5194 mL
5 mM	0.5504 mL	2.7519 mL	5.5039 mL
10 mM	0.2752 mL	1.376 mL	2.7519 mL
50 mM	0.055 mL	0.2752 mL	0.5504 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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