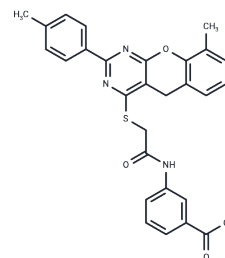


UCK2 Inhibitor-2

Chemical Properties

CAS No. :	866842-71-9
Formula:	C ₂₈ H ₂₃ N ₃ O ₄ S
Molecular Weight:	497.57
Storage:	Store at low temperature 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	UCK2 Inhibitor-2 is a non-competitive inhibitor of uridine-cytidine kinase 2 (UCK2) with IC ₅₀ =3.8 μM that inhibits UCK2-mediated nucleoside recycling in cells.
Targets(IC ₅₀)	Dehydrogenase
In vitro	UCK2 Inhibitor-2 (compound 20874830) inhibits UCK2 with an IC ₅₀ of 3.8 μM, and at 50 μM, suppresses uridine salvage by 52% in K562 cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0098 mL	10.0488 mL	20.0977 mL
5 mM	0.402 mL	2.0098 mL	4.0195 mL
10 mM	0.201 mL	1.0049 mL	2.0098 mL
50 mM	0.0402 mL	0.201 mL	0.402 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

Okesli-Armlovich A, Gupta A, Jimenez M, Auld D, Liu Q, Bassik MC, Khosla C. Discovery of small molecule inhibitors of human uridine-cytidine kinase 2 by high-throughput screening. *Bioorg Med Chem Lett.* 2019 Sep 15;29(18): 2559-2564.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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