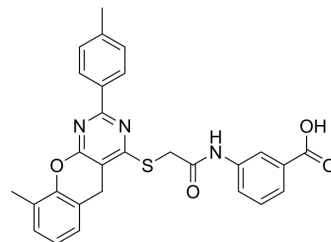


## UCK2 Inhibitor-2

<b>Cat. No.:</b>	HY-148395
<b>CAS No.:</b>	866842-71-9
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>23</sub> N <sub>3</sub> O <sub>4</sub> S
<b>Molecular Weight:</b>	497.56
<b>Target:</b>	Dihydroorotate Dehydrogenase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	UCK2 Inhibitor-2 is a non-competitive uridine-cytidine kinase 2 (UCK2) inhibitor with an IC <sub>50</sub> value of 3.8 μM. UCK2 Inhibitor-2 can suppress uridine salvage in cells <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 3.8 μM (UCK2) <sup>[1]</sup>
<b>In Vitro</b>	UCK2 Inhibitor-2 (compound 20874830) shows 52% inhibition of uridine salvage in K562 cells at a concentration of 50 μM. The inhibition of DHODH increases uridine salvage, while, UCK2 inhibitor UCK2 Inhibitor-2 (compound 20874830) can suppress this increase <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ayse Okesli-Armlovich, et al. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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