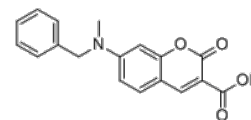


Product Name : 7ACC2
Cat. No. : PC-63259
CAS No. : 1472624-85-3
Molecular Formula : C₁₈H₁₅NO₄
Molecular Weight : 309.321
Target : Monocarboxylate Transporter (MCT)
Solubility : 10 mM in DMSO



Biological Activity

7ACC2 is a potent inhibitor of **mitochondrial pyruvate transport** (MPC) and monocarboxylate transporter (MCT) with IC₅₀ of 11 nM for inhibition of [14C]-lactate influx, consecutively blocks extracellular lactate uptake by promoting intracellular pyruvate accumulation.

7ACC2 induces cytotoxic effects together with glycolysis stimulation and uncompensated inhibition of mitochondrial respiration in cancer cells.

7ACC2 sensitizes tumor xenografts to radiotherapy.

References

Corbet C, et al. *Nat Commun*. 2018 Mar 23;9(1):1208.

Draoui N, et al. *Bioorg Med Chem*. 2013 Nov 15;21(22):7107-17.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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