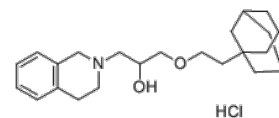


Product Name : ADDA 5
Cat. No. : PC-60849
CAS No. : 473268-46-1
Molecular Formula : C₂₄H₃₆ClNO₂
Molecular Weight : 406.007
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ADDA 5 is a specific, non-competitive, small molecule **cytochrome c oxidase** (CcO or complex IV) inhibitor with IC₅₀ of 18.93 μM (CcO from human glioma).

ADDA 5 displays no inhibition of other mitochondrial complexes or other relevant enzymes (LDH, XO, SOD, GPs etc.).

ADDA 5 dose-dependently inhibited the proliferation of chemosensitive and chemoresistant glioma cells but does not display toxicity against non-cancer cells.

ADDA 5 also blocks cell proliferation and neurosphere formation in cultures of glioma stem cells, inhibits tumor growth in flank xenograft mouse models.

References

Oliva CR, et al. *J Biol Chem*. 2016 Nov 11;291(46):24188-24199.

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

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