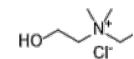


Product Name : Fluoromethylcholine
Cat. No. : PC-25999
CAS No. : 459424-38-5
Molecular Formula : C₅H₁₃ClFNO
Molecular Weight : 157.61
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Fluoromethylcholine (FMC) is a highly potent TMA Lyase inhibitor in *Escherichia coli* (IC₅₀ = 0.9 nM against *Proteus mirabilis* CutC/D) and in a polymicrobial human fecal culture (IC₅₀ = 7.9 nM).

Fluoromethylcholine (FMC) has been shown to be highly effective in vivo and completely inhibited plasma TMAO production in mice on a choline diet from a single oral dose (100 mg/kg).

Fluoromethylcholine (FMC) is also shown to be efficacious in an in vivo murine model of thrombus formation.

References

Roberts AB, et al. *Nat Med.* 2018 Sep;24(9):1407-1417.

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

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