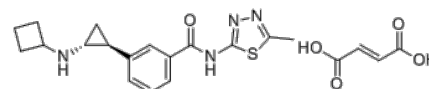


Product Name : T-448
Cat. No. : PC-35902
CAS No. : 1597426-53-3
Molecular Formula : C₂₁H₂₄N₄O₅S
Molecular Weight : 444.506
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

T-448 (T448) is a specific inhibitor of LSD1 enzyme activity, enhances H3K4 methylation in primary cultured rat neurons but has little impact on LSD1-GFI1B complex in human TF-1a erythroblasts.

T-448 increases brain H3K4 methylation and partially restored learning function in mice with NMDA receptor hypofunction. T-448 shows unique therapeutic approaches for central nervous system disorders associated with epigenetic dysregulation.

References

Matsuda S, et al. *Neuropsychopharmacology*. 2018 Dec 22. doi: 10.1038/s41386-018-0300-9.

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

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